

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122618\
 Data File : VW007909.D
 Acq On : 25 Dec 2018 01:22
 Operator : SY/AP
 Sample : VSTD1CC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Manual Integrations
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 12/27/2018 11:18:02 AM

Quant Time: Dec 25 04:08:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 25 03:37:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	94233	109.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.10%	
35) Dibromofluoromethane	7.88	113	84171	103.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.36%	
50) Toluene-d8	10.32	98	322614	105.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.30%	
62) 4-Bromofluorobenzene	12.62	95	123207	103.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61379	91.117	ug/l	99
3) Chloromethane	2.22	50	54892	124.077	ug/l	100
4) Vinyl Chloride	2.37	62	64790	115.938	ug/l	99
5) Bromomethane	2.78	94	40185	104.160	ug/l	100
6) Chloroethane	2.93	64	34769	115.659	ug/l	100
7) Trichlorofluoromethane	3.26	101	49280	90.025	ug/l	93
8) Diethyl Ether	3.68	74	39105	112.371	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	76948	94.014	ug/l	98
10) Methyl Iodide	4.26	142	127376	97.504	ug/l	99
11) Tert butyl alcohol	5.17	59	30885	524.609	ug/l	98
12) 1,1-Dichloroethene	4.03	96	73966	97.194	ug/l	98
13) Acrolein	3.89	56	16170	364.050	ug/l	100
14) Allyl chloride	4.67	41	114575	111.316	ug/l	99
15) Acrylonitrile	5.37	53	82285	544.835	ug/l	99
16) Acetone	4.12	43	71006	450.651	ug/l	99
17) Carbon Disulfide	4.38	76	213759	91.824	ug/l	99
18) Methyl Acetate	4.67	43	48585	121.611	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	125887	111.054	ug/l	100
20) Methylene Chloride	4.91	84	85712	87.325	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	81244	96.727	ug/l	96
22) Diisopropyl ether	6.31	45	222803	114.977	ug/l	98
23) Vinyl Acetate	6.26	43	630181	553.103	ug/l	100
24) 1,1-Dichloroethane	6.21	63	144634	103.378	ug/l	99
25) 2-Butanone	7.17	43	99187	518.647	ug/l	99
26) 2,2-Dichloropropane	7.16	77	91771	91.338	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	92140	102.176	ug/l	99
28) Bromochloromethane	7.51	49	51945	108.142	ug/l #	99
29) Tetrahydrofuran	7.53	42	66420	574.835	ug/l	99
30) Chloroform	7.68	83	157833	100.799	ug/l	100
31) Cyclohexane	7.95	56	121818	95.656	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	135491	95.814	ug/l	99
36) 1,1-Dichloropropene	8.09	75	118221	93.115	ug/l	99
37) Ethyl Acetate	7.26	43	45545	101.087	ug/l	98
38) Carbon Tetrachloride	8.07	117	127805	86.944	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	145429	92.059	ug/l	98
40) Benzene	8.32	78	329552	96.385	ug/l	100
41) Methacrylonitrile	7.48	41	27874	105.633	ug/l	91
42) 1,2-Dichloroethane	8.40	62	109436	95.845	ug/l	99
43) Isopropyl Acetate	8.43	43	96769	107.030	ug/l	99
44) Trichloroethene	9.09	130	93217	91.169	ug/l	99
45) 1,2-Dichloropropane	9.37	63	79760	104.137	ug/l	100
46) Dibromomethane	9.46	93	45274	97.466	ug/l	97
47) Bromodichloromethane	9.65	83	116587	95.577	ug/l	99
48) Methyl methacrylate	9.44	41	49368	109.042	ug/l	99
49) 1,4-Dioxane	9.44	88	15498	2084.274	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	229306	533.331	ug/l	99
52) Toluene	10.39	92	219457	95.962	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	120544	98.704	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	133888	99.251	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	63288	97.815	ug/l	99
56) Ethyl methacrylate	10.65	69	81609	106.427	ug/l	98
57) 1,3-Dichloropropane	10.93	76	107498	99.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	190598	540.124	ug/l	100
59) 2-Hexanone	10.97	43	158421	526.052	ug/l	99
60) Dibromochloromethane	11.13	129	79111	93.910	ug/l	98
61) 1,2-Dibromoethane	11.24	107	63363	96.903	ug/l	99
64) Tetrachloroethene	10.87	164	78825	93.286	ug/l	98
65) Chlorobenzene	11.66	112	246149	95.149	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	87584	95.332	ug/l	98
67) Ethyl Benzene	11.73	91	432804	97.216	ug/l	100
68) m/p-Xylenes	11.84	106	327245	190.268	ug/l	100
69) o-Xylene	12.17	106	157542	97.506	ug/l	98
70) Styrene	12.18	104	260852	98.135	ug/l	100
71) Bromoform	12.35	173	43108	92.011	ug/l #	98
73) Isopropylbenzene	12.47	105	439000	100.442	ug/l	99
74) N-amyl acetate	12.27	43	89381	114.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	68798	103.594	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53744m	117.813	ug/l	
77) Bromobenzene	12.75	156	97992	98.033	ug/l	99
78) n-propylbenzene	12.81	91	506050	99.404	ug/l	99
79) 2-Chlorotoluene	12.90	91	300799	100.916	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	376892	99.961	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	21606	101.816	ug/l	97
82) 4-Chlorotoluene	12.99	91	316848	100.298	ug/l	99
83) tert-Butylbenzene	13.21	119	330453	99.905	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	377517	99.173	ug/l	99
85) sec-Butylbenzene	13.39	105	450340	98.905	ug/l	100
86) p-Isopropyltoluene	13.51	119	403338	97.606	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	191359	96.265	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	190133	95.944	ug/l	100
89) n-Butylbenzene	13.83	91	368518	97.198	ug/l	100
90) Hexachloroethane	14.10	117	68546	95.752	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	173345	97.468	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13285	98.334	ug/l	95

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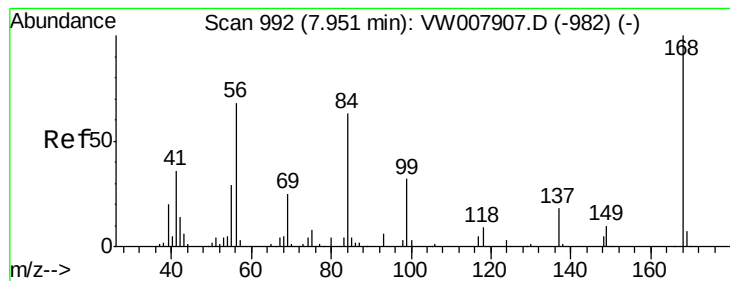
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	119125	96.969	ug/l	99
94) Hexachlorobutadiene	15.24	225	61443	93.771	ug/l	99
95) Naphthalene	15.37	128	242036	105.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	104372	98.781	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion:168 Resp: 76624

Ion Ratio Lower Upper

168 100

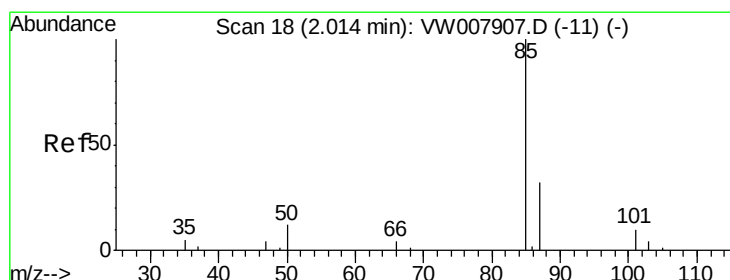
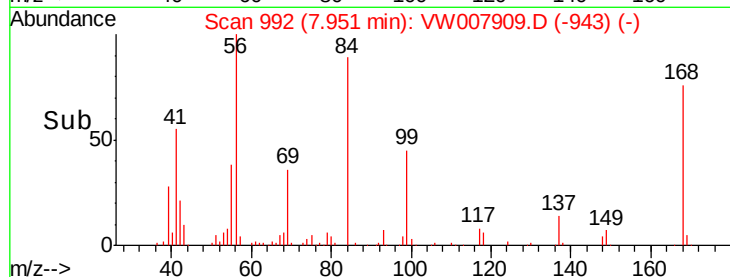
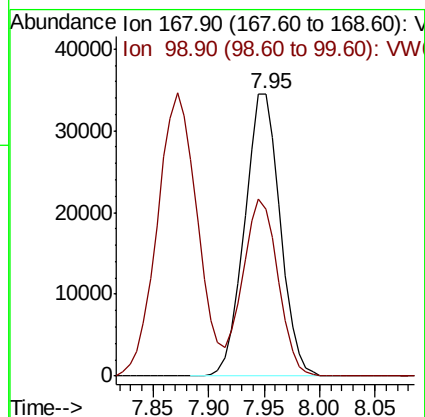
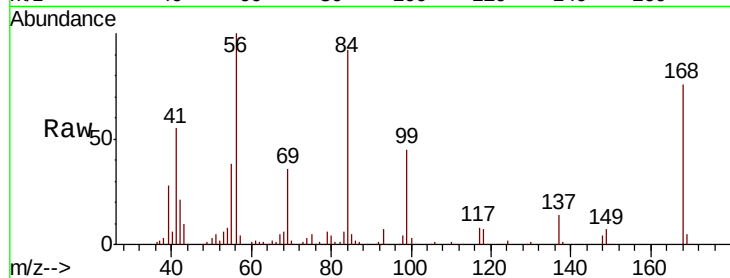
99 59.0 47.3 70.9

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#2

Dichlorodifluoromethane

Concen: 91.117 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007909.D

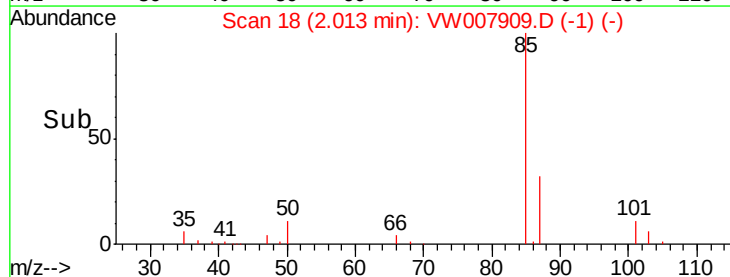
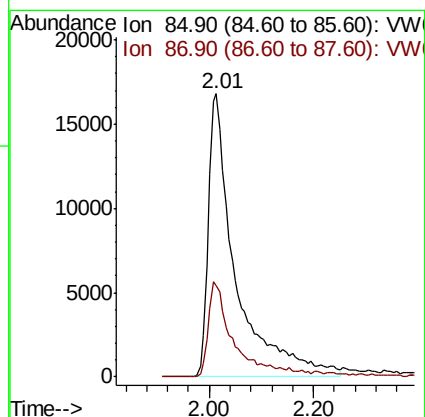
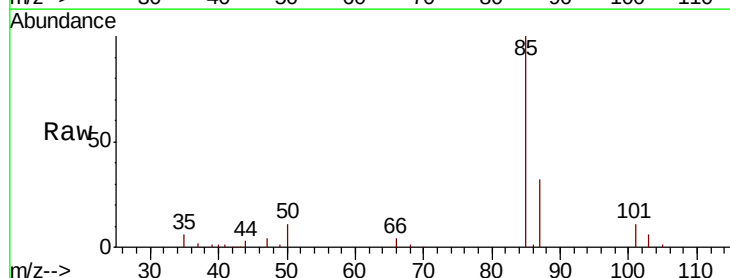
Acq: 25 Dec 2018 01:22

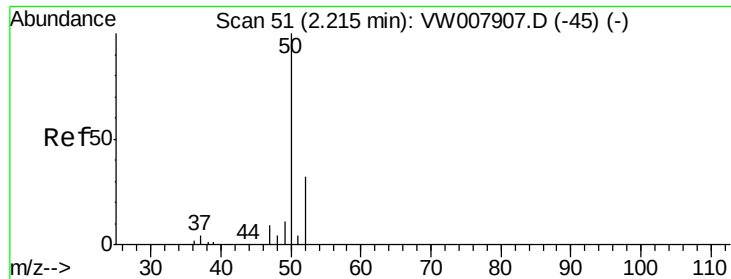
Tgt Ion: 85 Resp: 61379

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9





#3

Chloromethane

Concen: 124.077 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 50 Resp: 54892

Ion Ratio Lower Upper

50 100

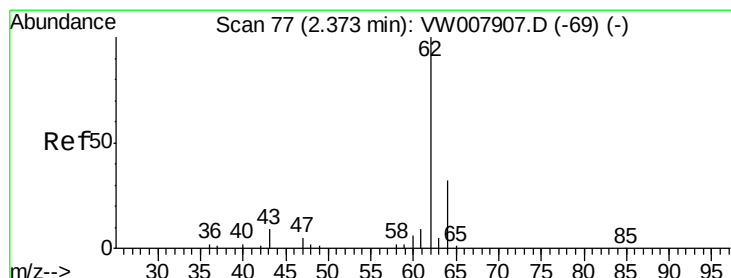
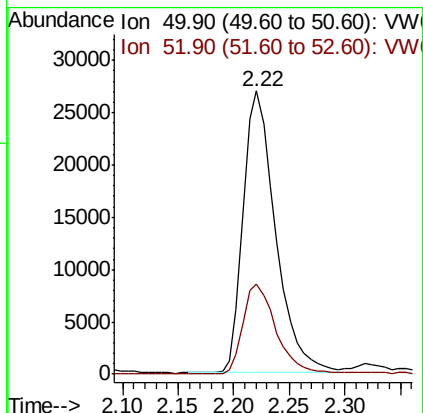
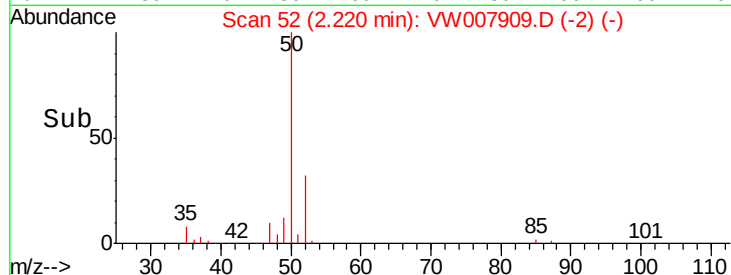
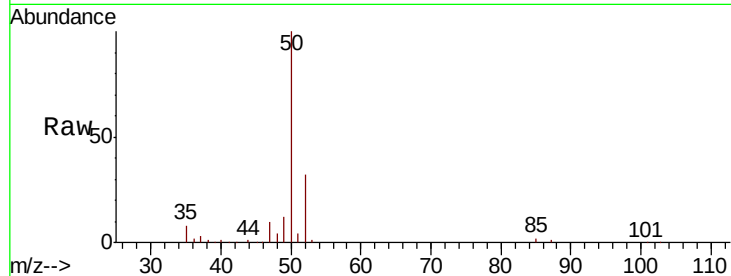
52 31.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 115.938 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW007909.D

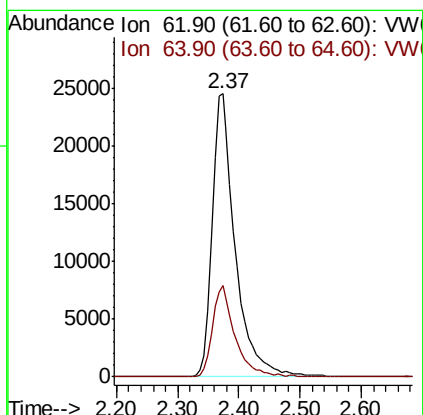
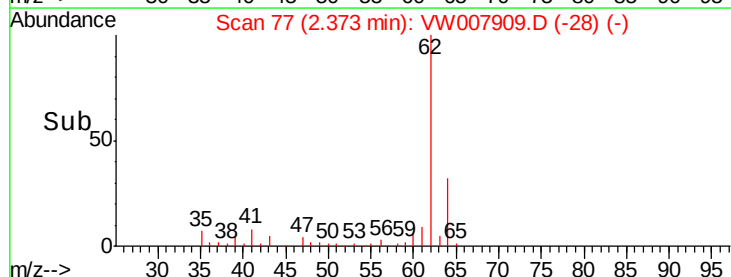
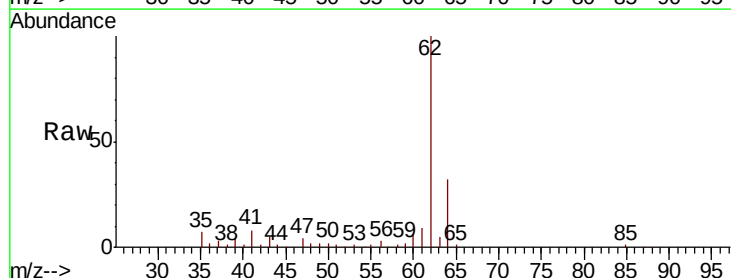
Acq: 25 Dec 2018 01:22

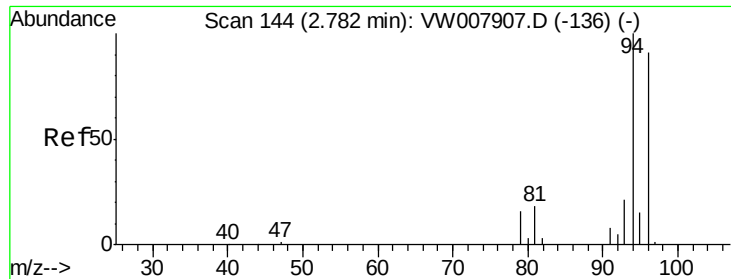
Tgt Ion: 62 Resp: 64790

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9





#5

Bromomethane

Concen: 104.160 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 94 Resp: 40185

Ion Ratio Lower Upper

94 100

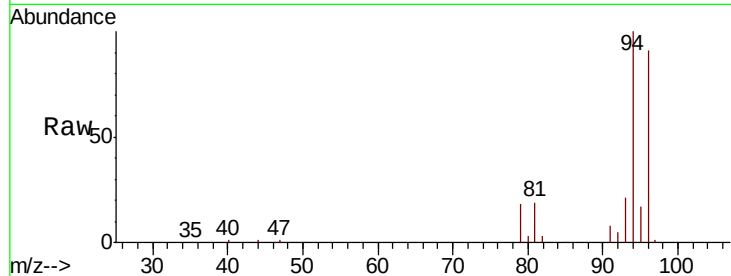
96 91.0 72.7 109.1

Manual Integrations

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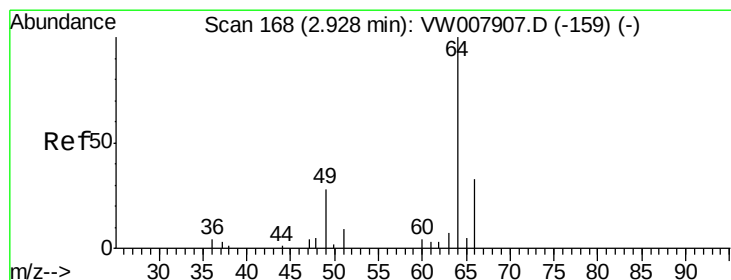
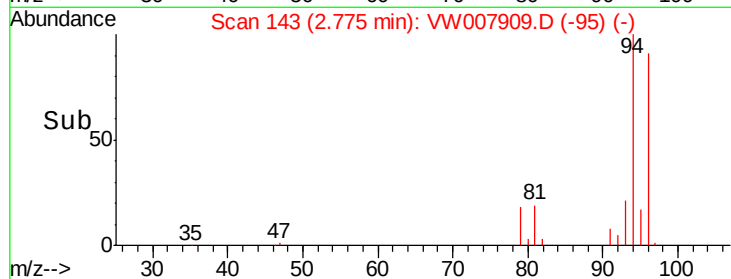
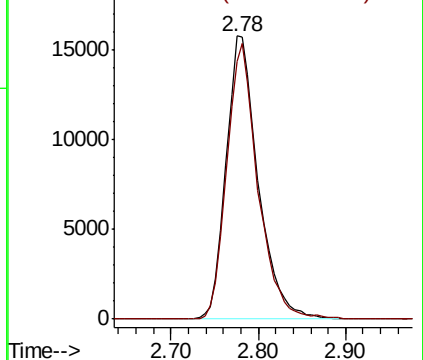
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 115.659 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007909.D

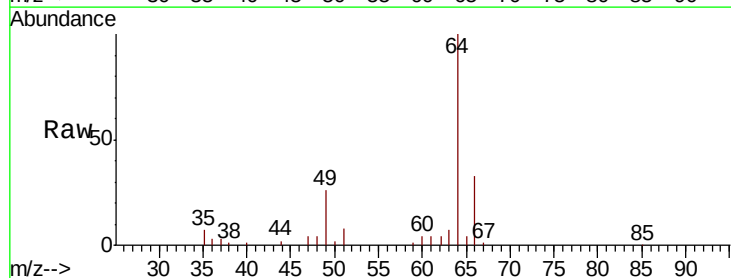
Acq: 25 Dec 2018 01:22

Tgt Ion: 64 Resp: 34769

Ion Ratio Lower Upper

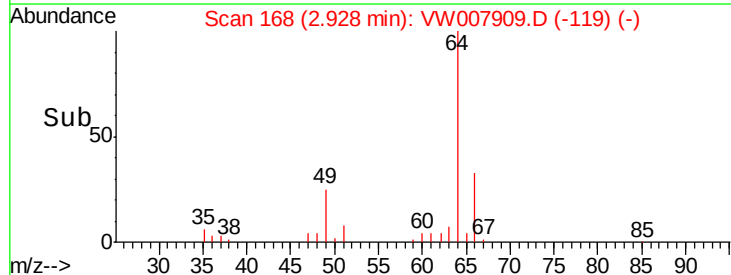
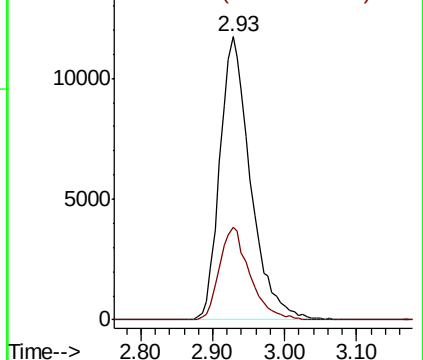
64 100

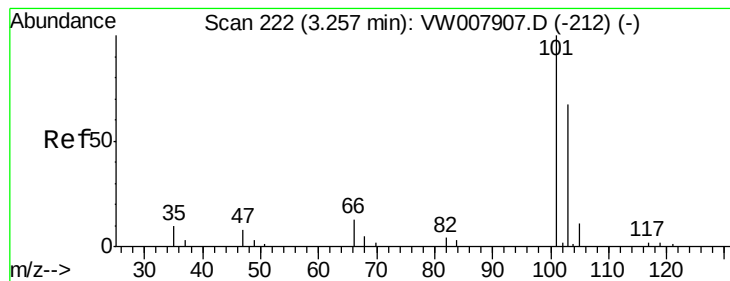
66 32.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

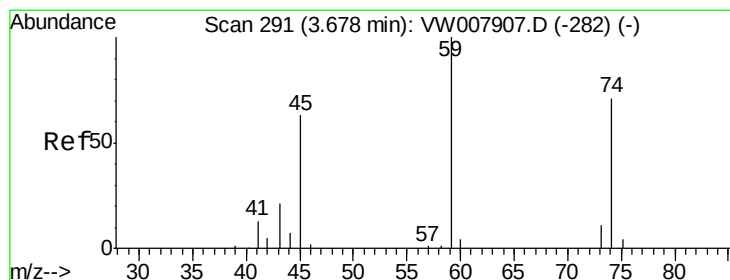
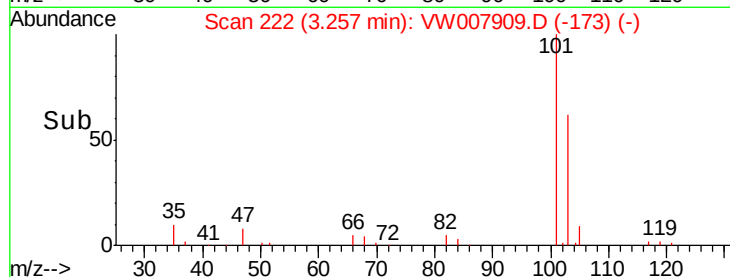
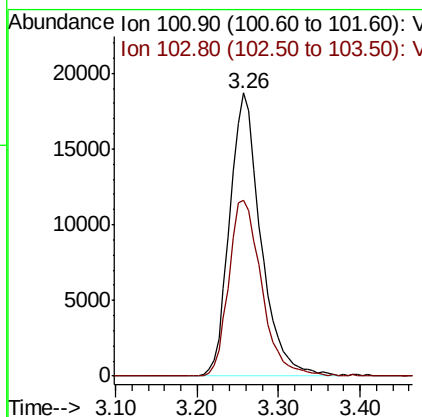
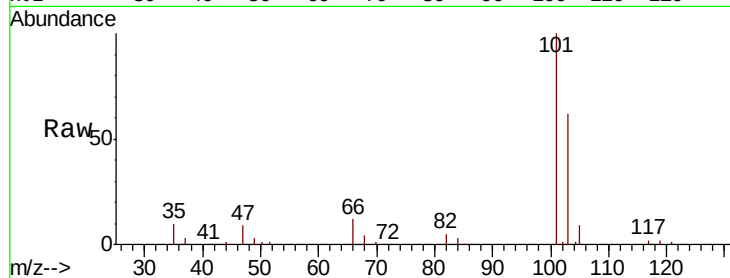
Trichlorofluoromethane
 Concen: 90.025 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.8	80.8

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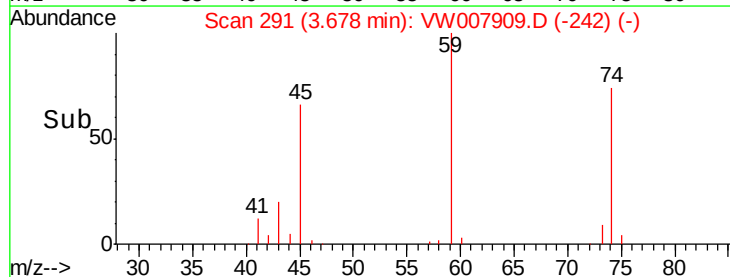
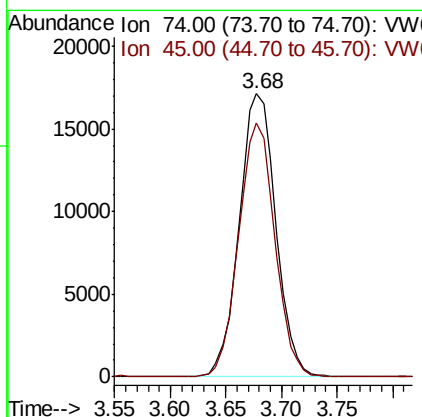
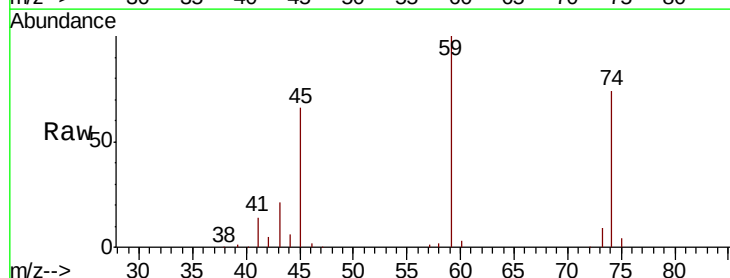
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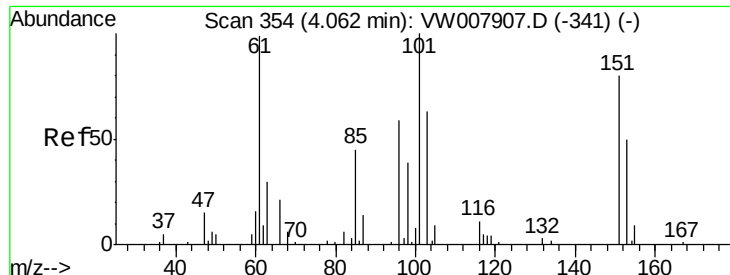


#8

Diethyl Ether
 Concen: 112.371 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	44.3	132.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.014 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

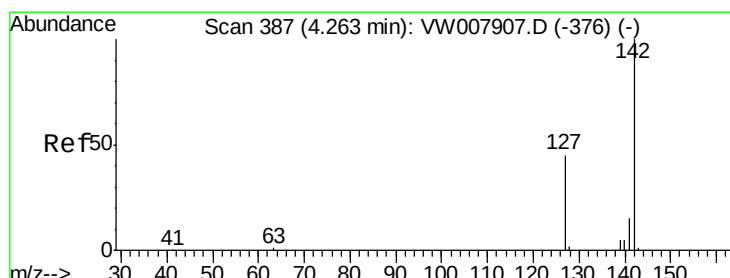
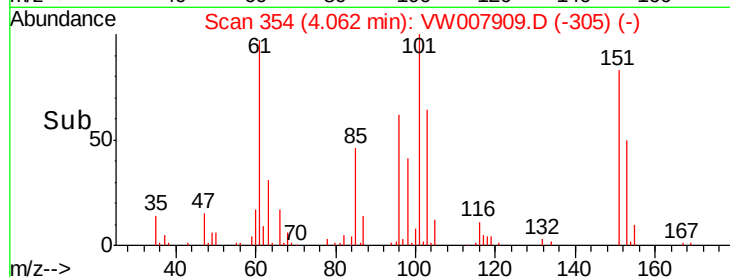
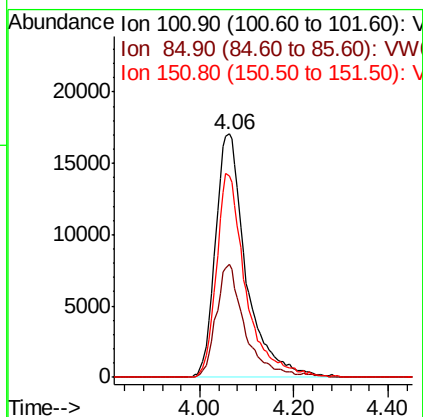
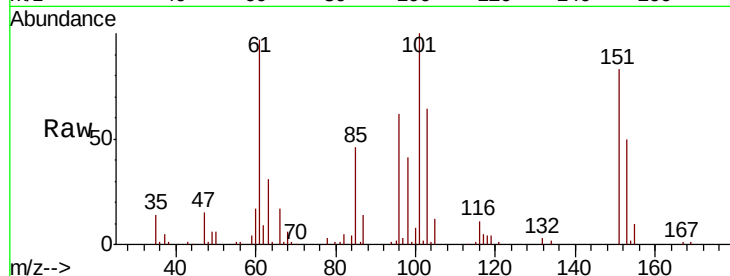
ClientSampleId :

VSTD1CC100

Tot Ion:	101	Resp:	76948
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.8	53.6
151	80.1	63.2	94.8

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#10

Methyl Iodide

Concen: 97.504 ug/l

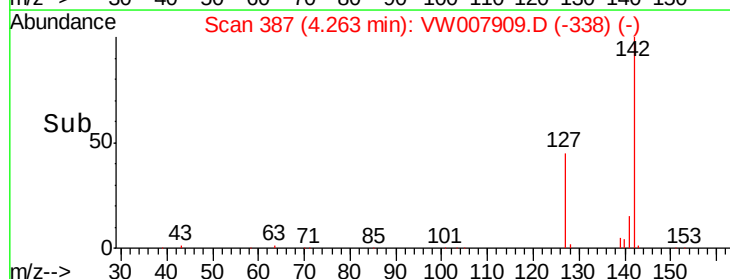
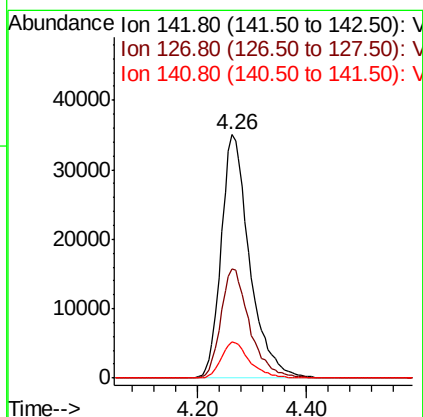
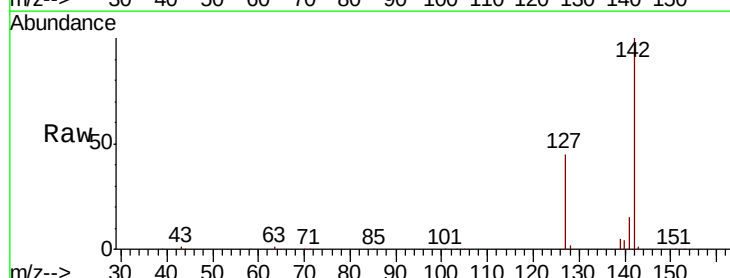
RT: 4.26 min Scan# 387

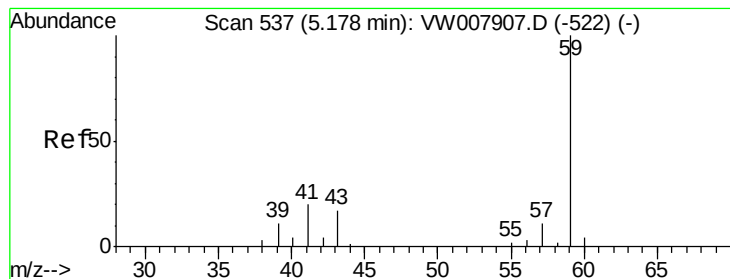
Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	142	Resp:	127376
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.2	54.4
141	14.9	11.6	17.4





#11

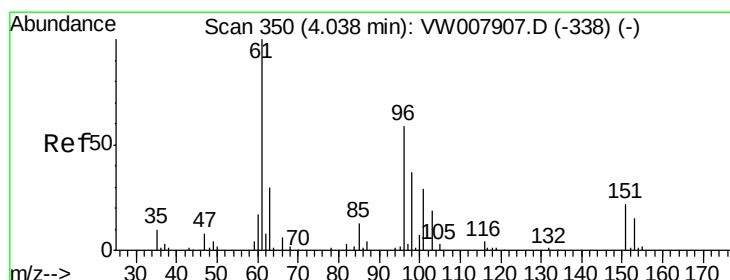
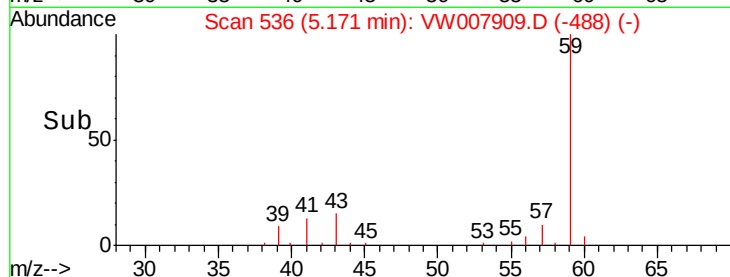
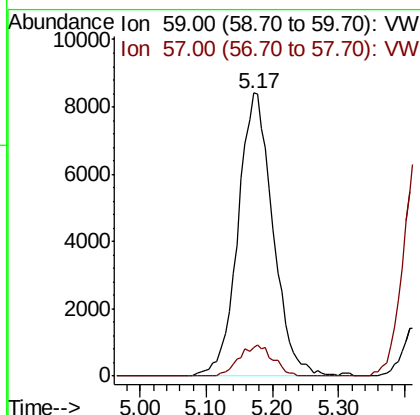
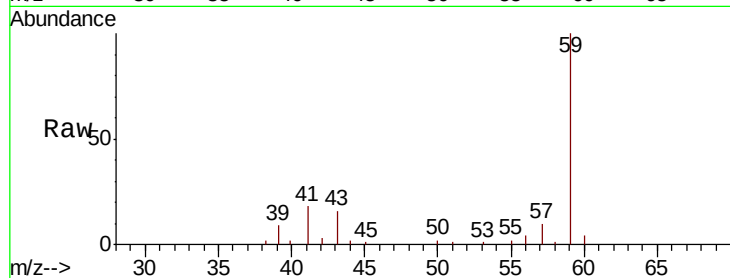
Tert butyl alcohol
 Concen: 524.609 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.01 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	59	Resp	30885
Ion Ratio	100	Lower	Upper
57	10.5	7.8	11.6

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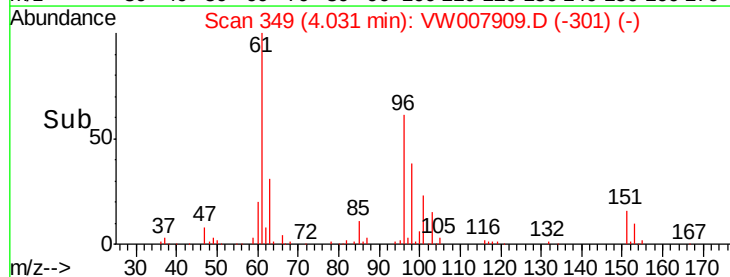
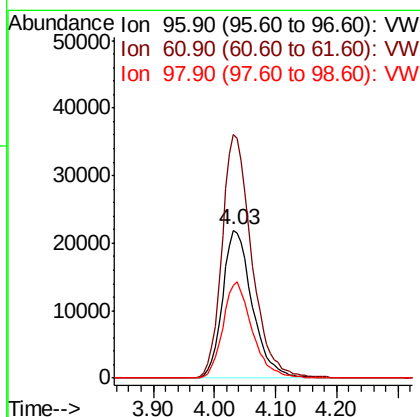
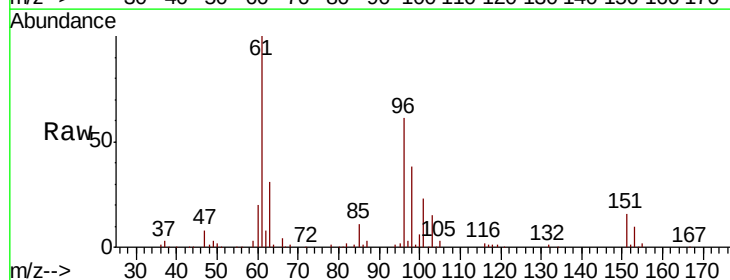
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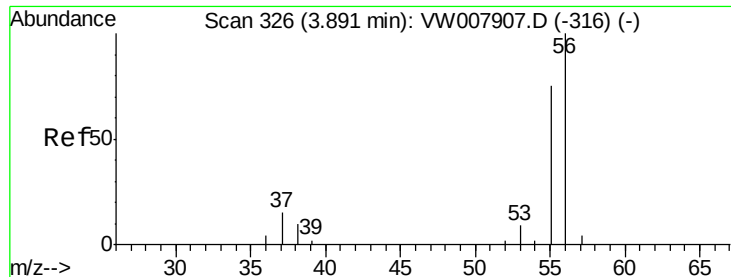


#12

1,1-Dichloroethene
 Concen: 97.194 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	96	Resp	73966
Ion Ratio	100	Lower	Upper
61	164.7	134.5	201.7
98	62.5	50.2	75.2





#13

Acrolein

Concen: 364.050 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 56 Resp: 16170

Ion Ratio Lower Upper

56 100

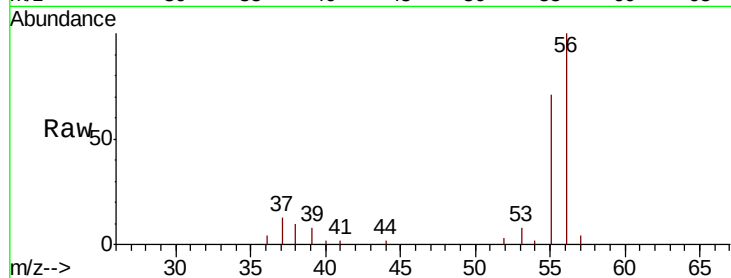
55 70.9 57.0 85.6

Manual Integrations

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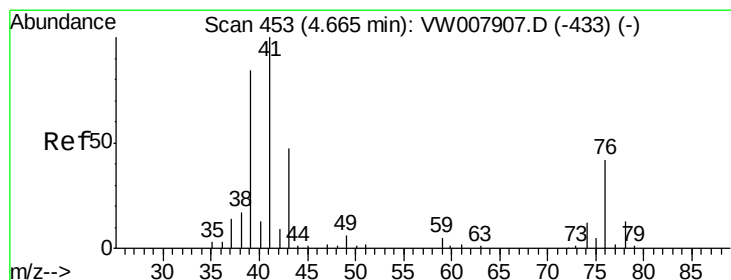
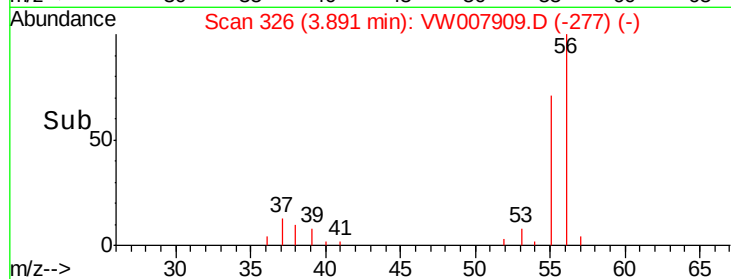
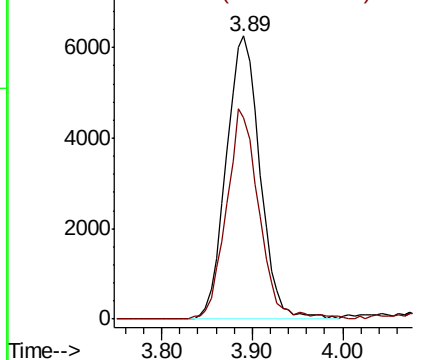
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 111.316 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

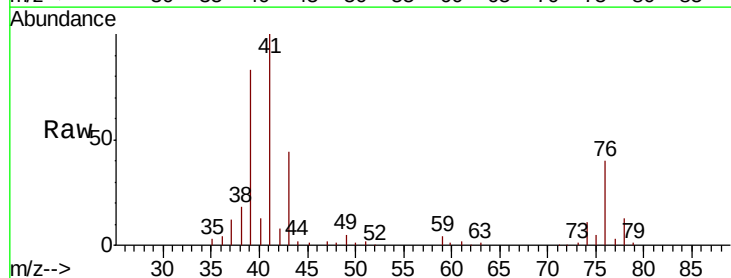
Tgt Ion: 41 Resp: 114575

Ion Ratio Lower Upper

41 100

39 79.5 62.6 93.8

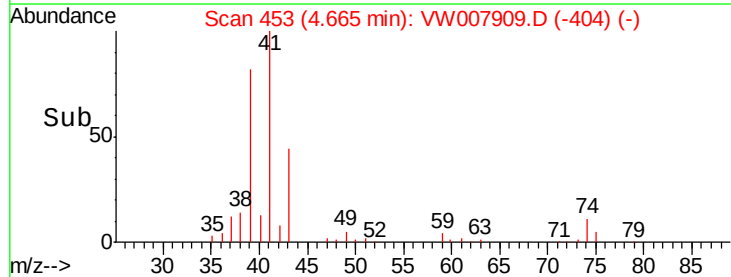
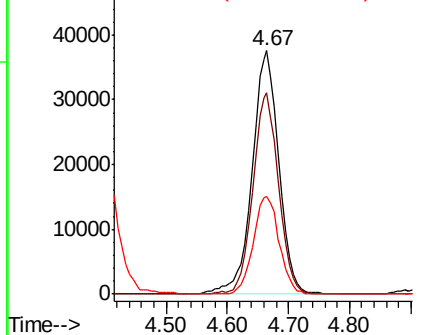
76 39.2 31.1 46.7

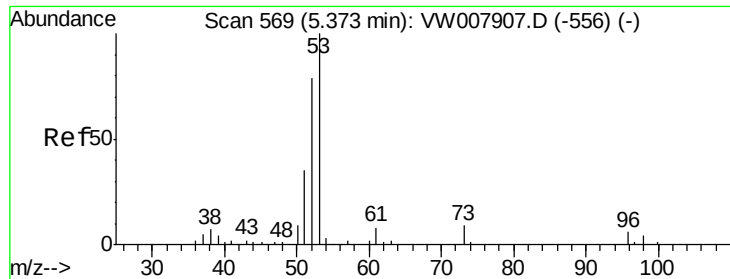


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 544.835 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

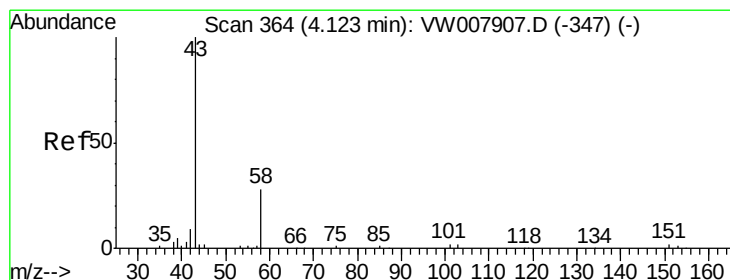
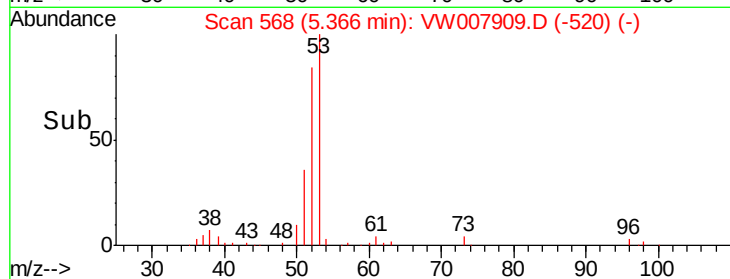
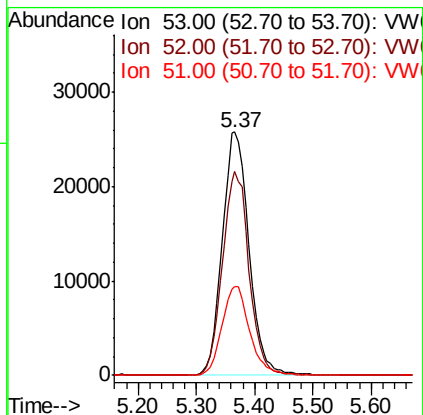
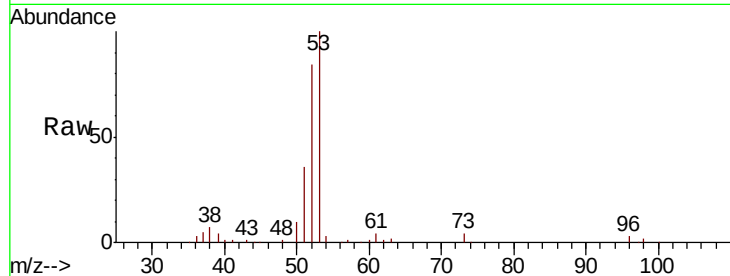
ClientSampleId :

VSTD1CC100

Tot Ion:	53	Resp:	82285
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.2	97.8
51	37.6	30.6	45.8

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#16

Acetone

Concen: 450.651 ug/l

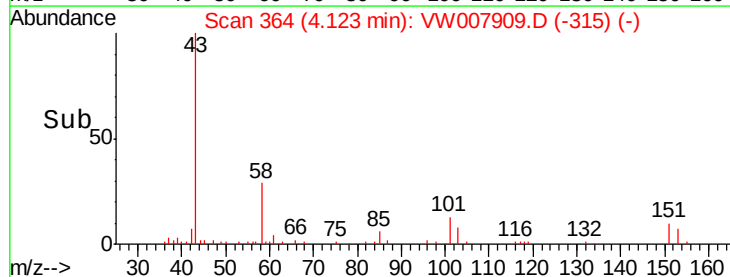
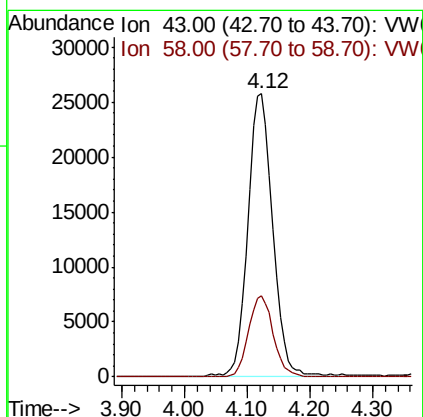
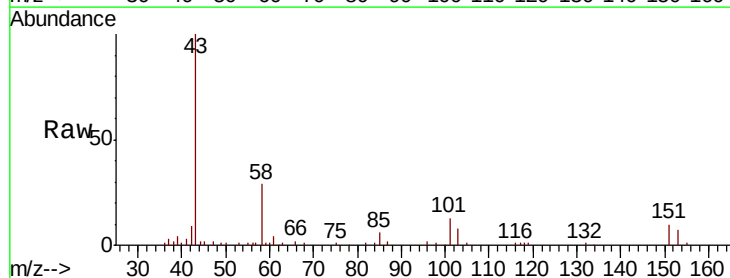
RT: 4.12 min Scan# 364

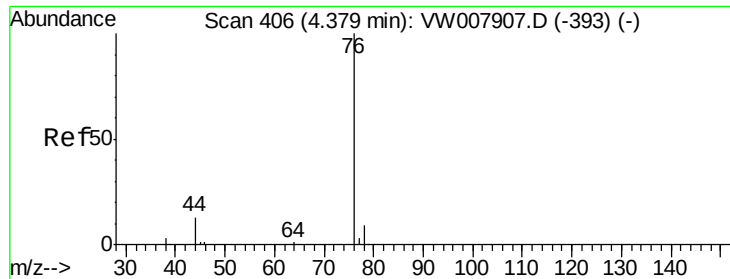
Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	43	Resp:	71006
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.8	34.2





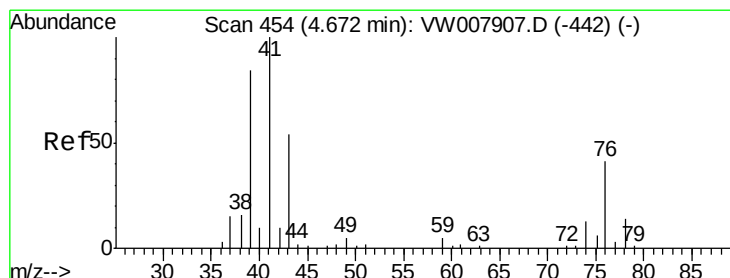
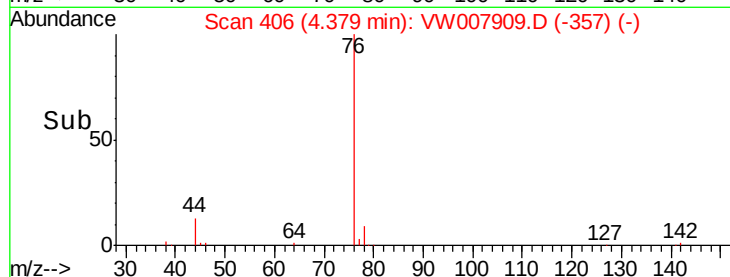
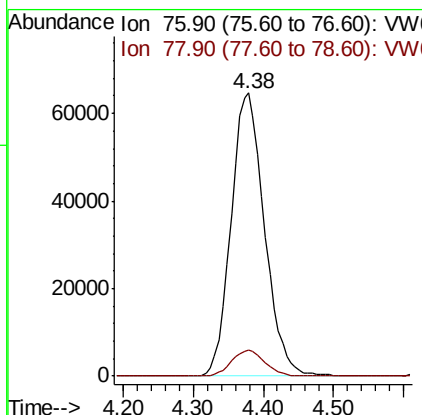
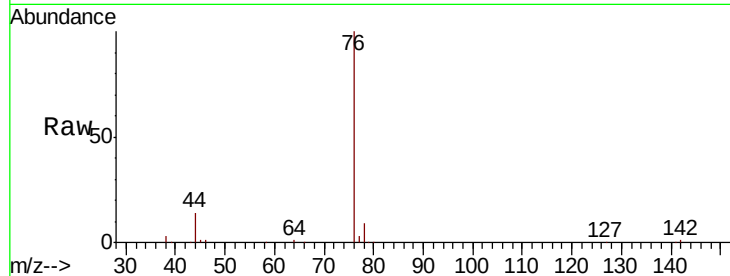
#17
Carbon Disulfide
Concen: 91.824 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

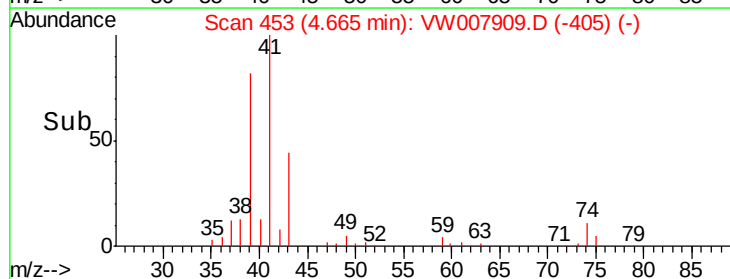
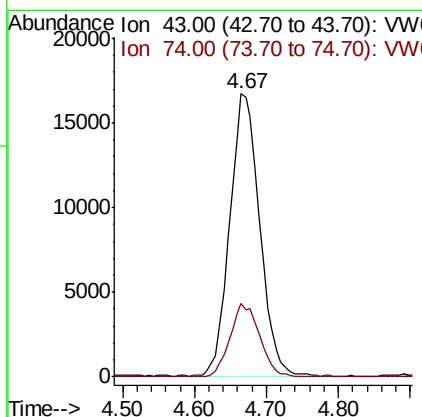
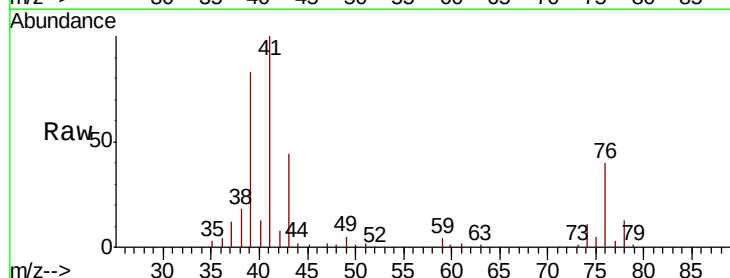
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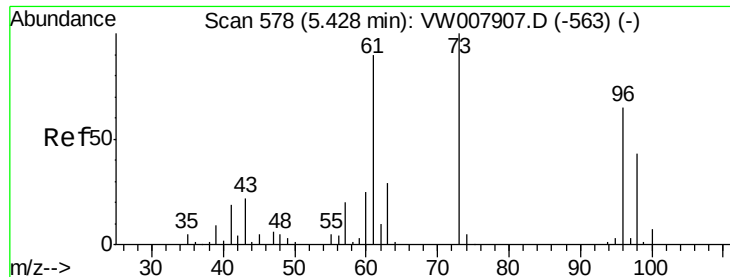
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#18
Methyl Acetate
Concen: 121.611 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.4	30.6





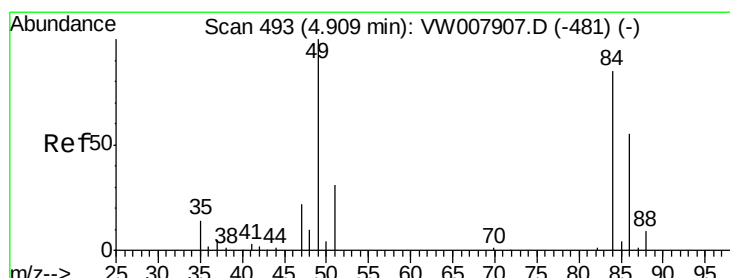
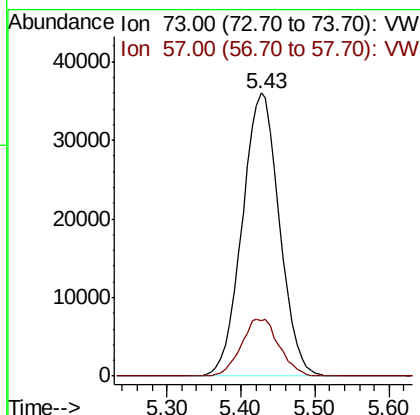
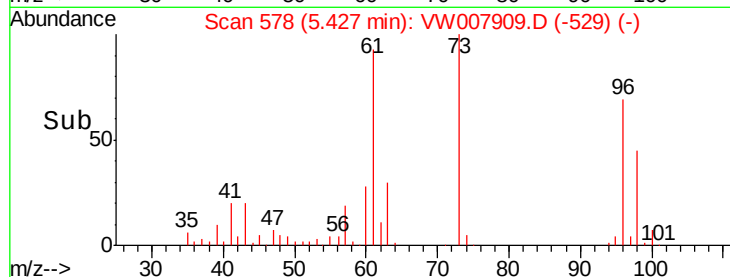
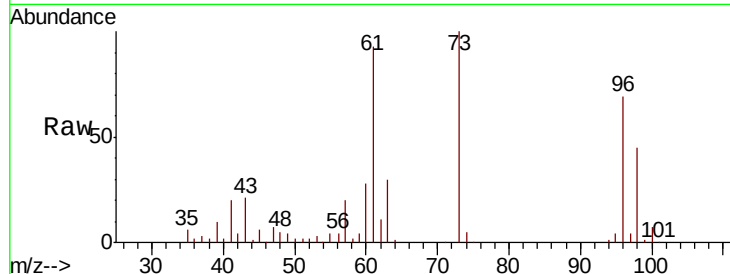
#19
Methyl tert-butyl Ether
Concen: 111.054 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion: 73 Resp: 125887
Ion Ratio Lower Upper
73 100
57 19.8 15.8 23.8

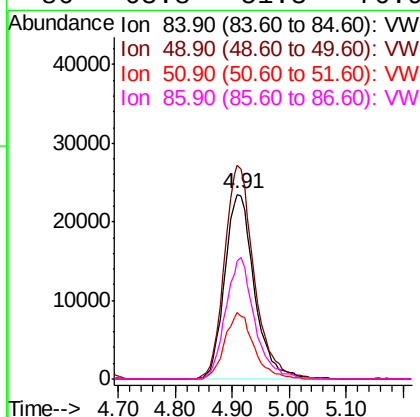
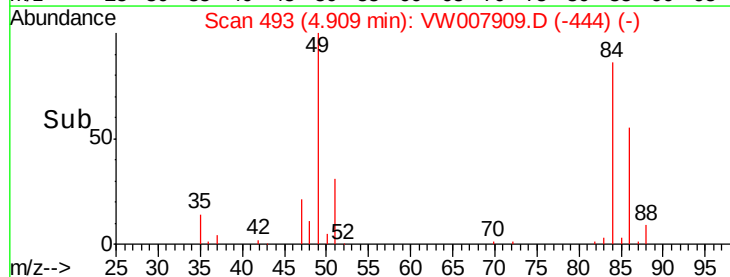
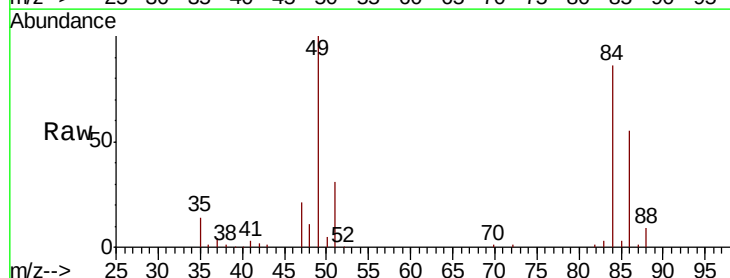
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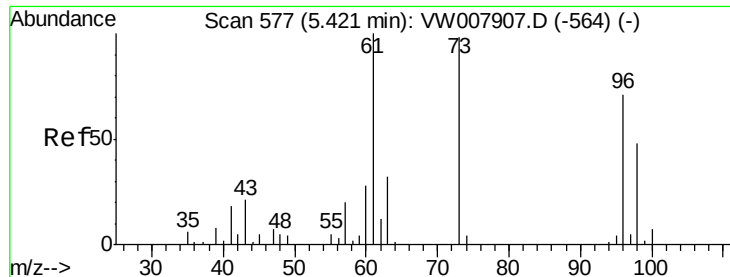
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#20
Methylene Chloride
Concen: 87.325 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion: 84 Resp: 85712
Ion Ratio Lower Upper
84 100
49 115.7 94.0 141.0
51 36.0 28.7 43.1
86 63.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 96.727 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

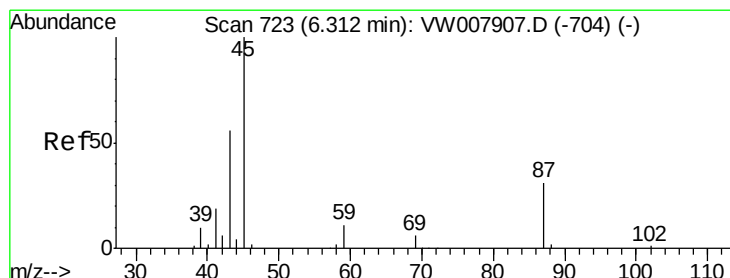
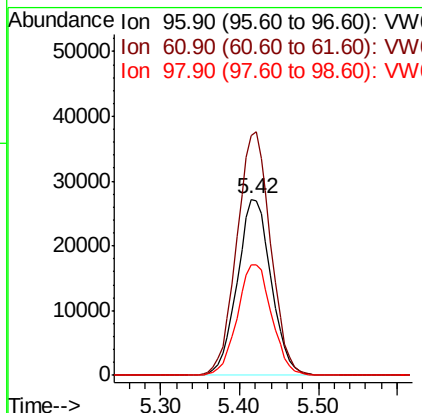
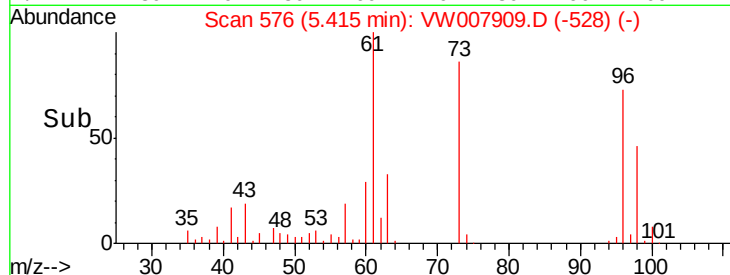
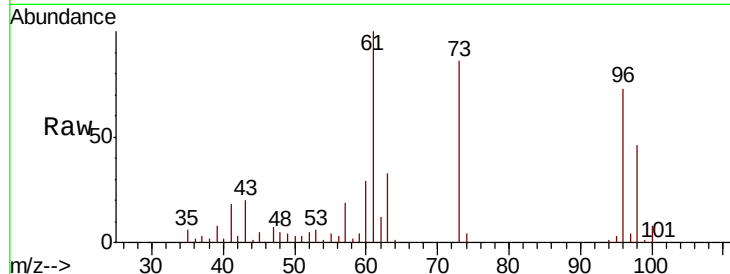
ClientSampleId :

VSTD1CC100

Tot Ion:	96	Resp:	81244
Ion	Ratio	Lower	Upper
96	100		
61	136.3	112.0	168.0
98	62.6	53.2	79.8

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#22

Diisopropyl ether

Concen: 114.977 ug/l

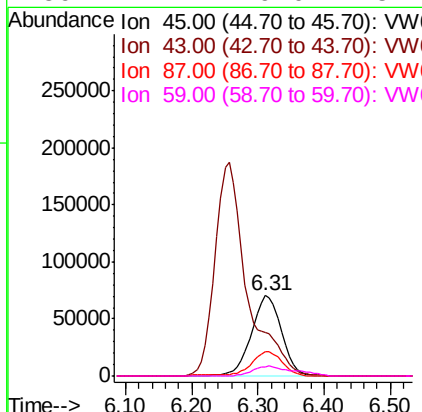
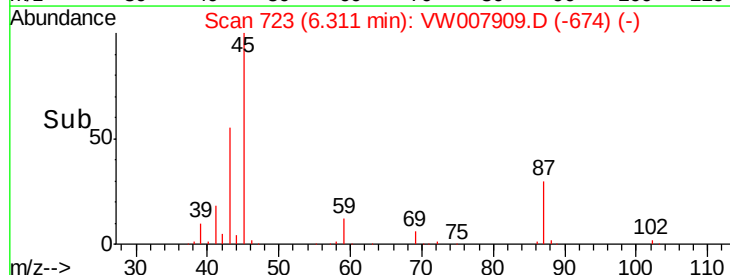
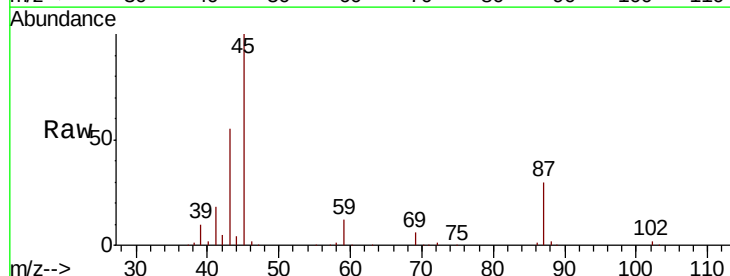
RT: 6.31 min Scan# 723

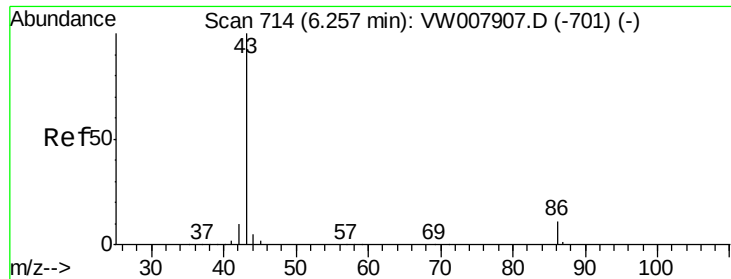
Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	45	Resp:	222803
Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.0	67.4
87	30.2	25.5	38.3
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 553.103 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 43 Resp: 630181

Ion Ratio Lower Upper

43 100

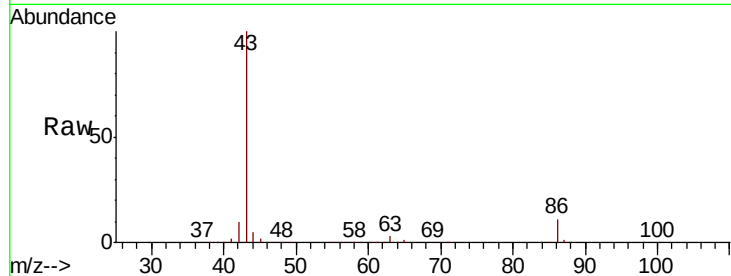
86 11.5 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

150000

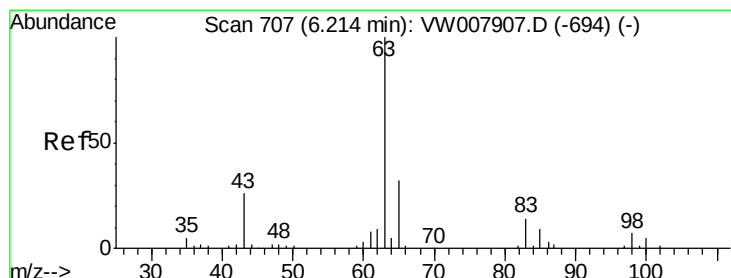
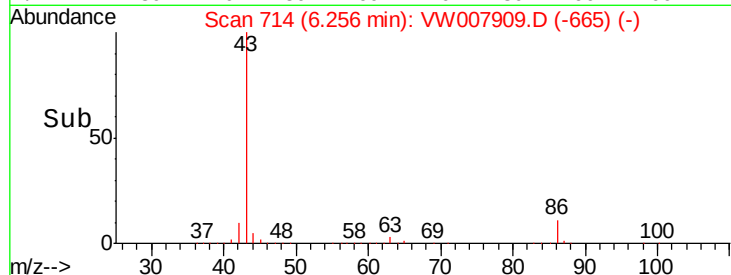
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 103.378 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

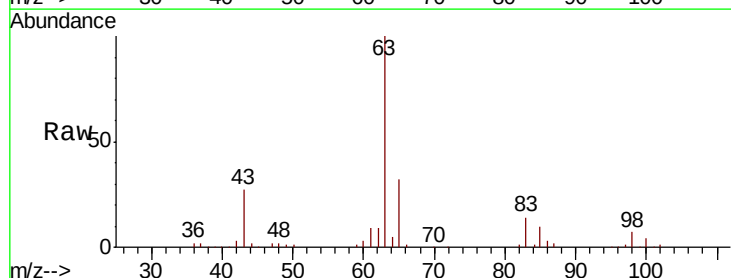
Tgt Ion: 63 Resp: 144634

Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.3 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

60000

50000

40000

30000

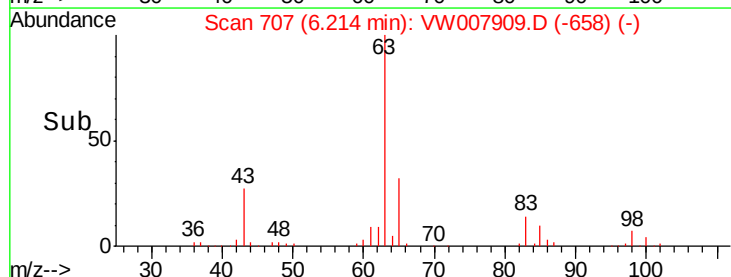
20000

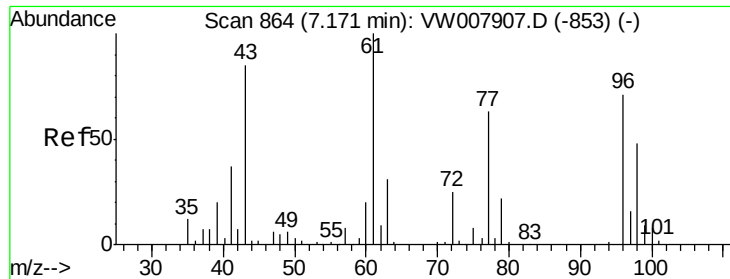
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 518.647 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tot Ion: 43 Resp: 99187

Ion Ratio Lower Upper

43 100

72 28.7 23.2 34.8

Instrument :

MSVOA_W

ClientSampleId :

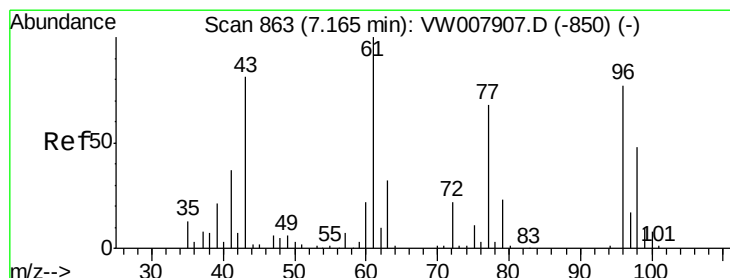
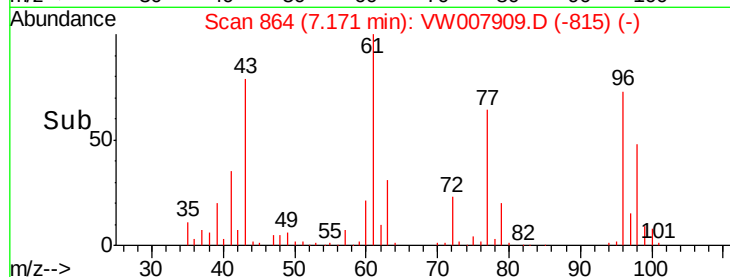
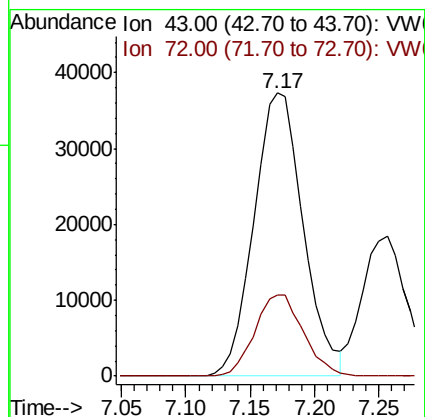
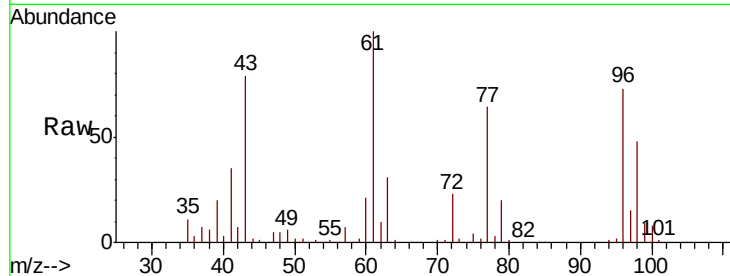
VSTD1CC100

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#26

2,2-Dichloropropane

Concen: 91.338 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007909.D

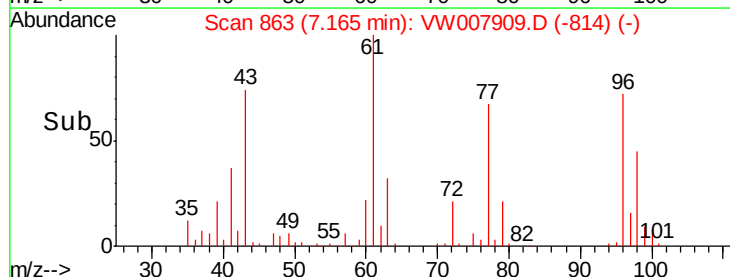
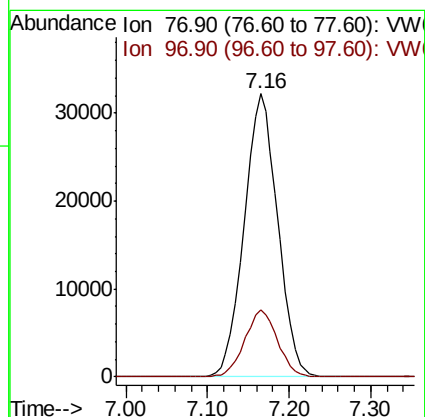
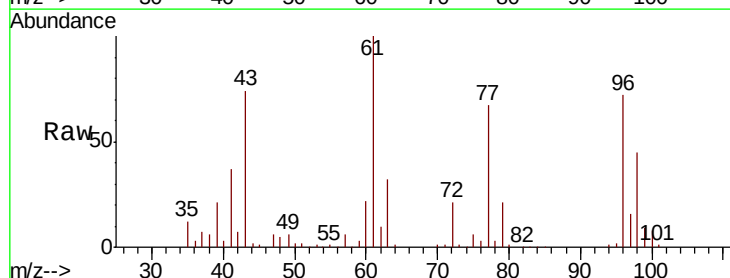
Acq: 25 Dec 2018 01:22

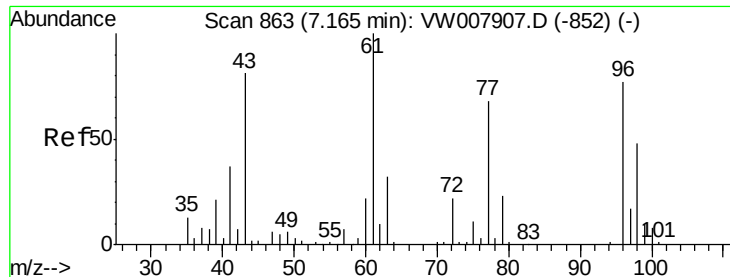
Tgt Ion: 77 Resp: 91771

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.4





#27

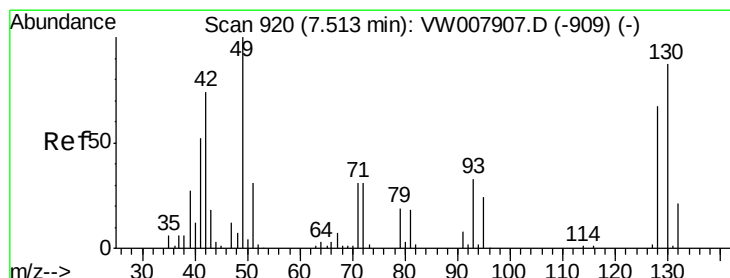
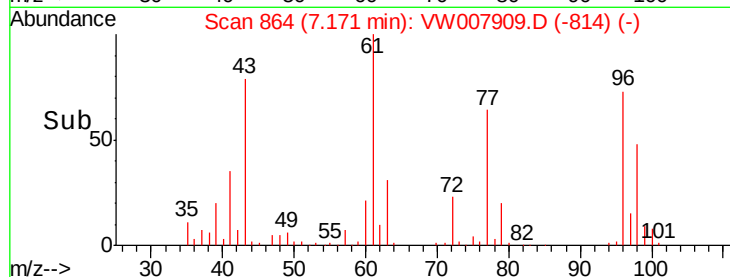
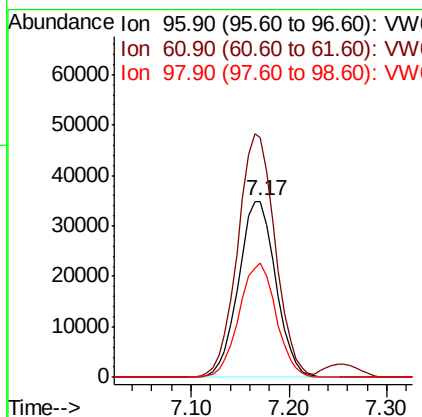
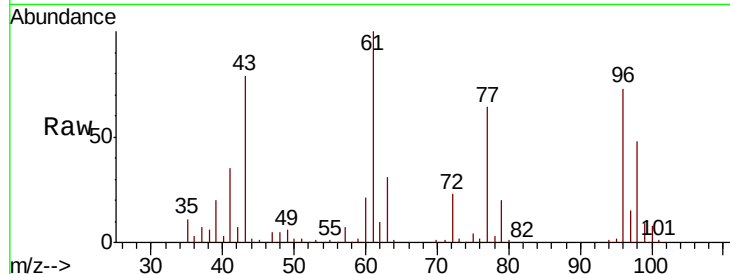
cis-1,2-Dichloroethene
 Concen: 102.176 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	279.4
98	64.4	0.0	126.8

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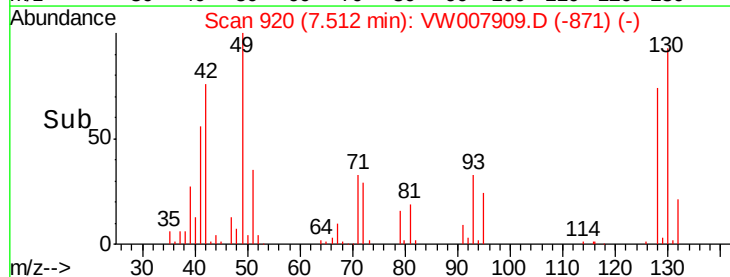
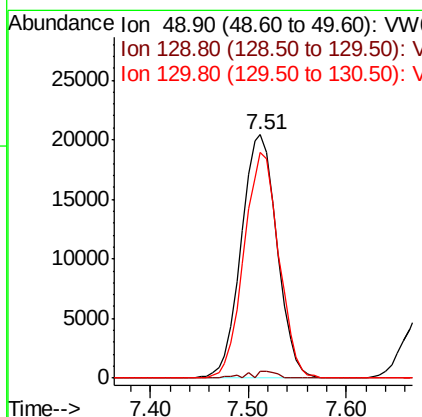
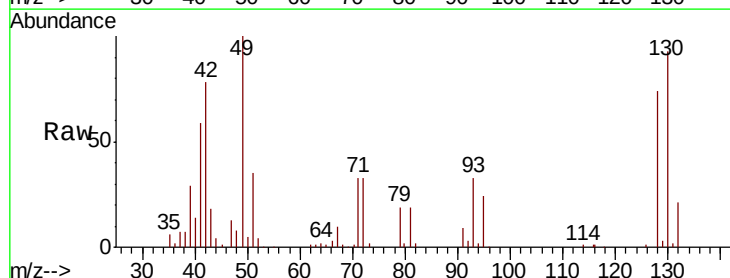
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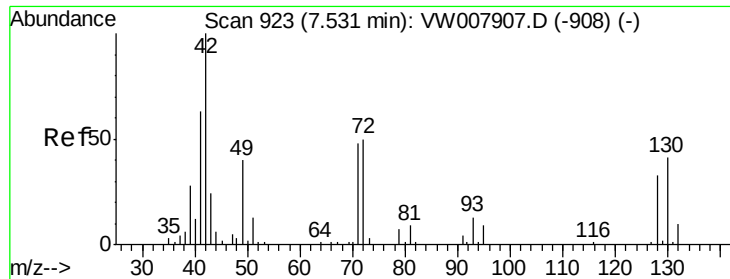


#28

Bromochloromethane
 Concen: 108.142 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	1.4#
130	89.7	70.7	106.1





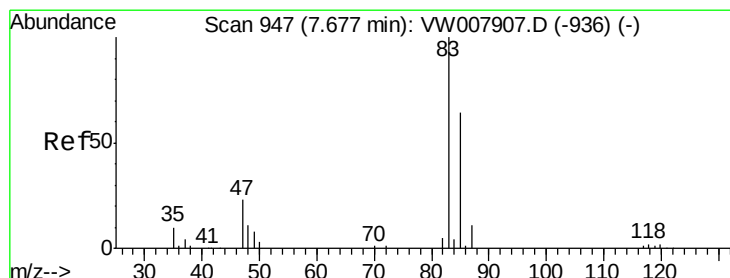
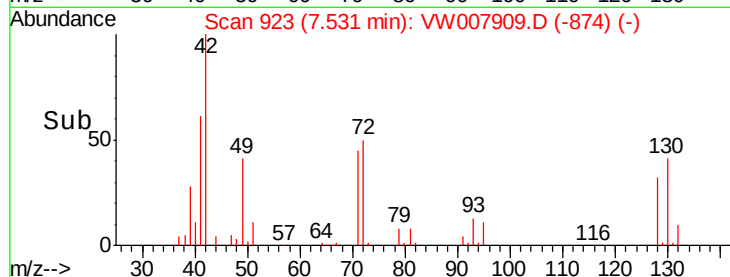
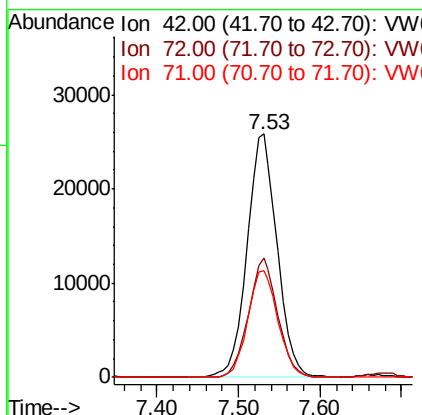
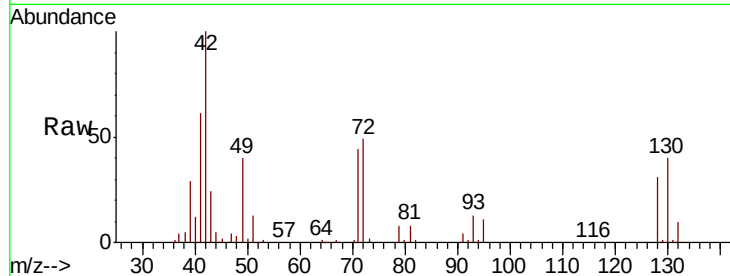
#29
Tetrahydrofuran
Concen: 574.835 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	37.8	56.8
71	44.1	35.8	53.6

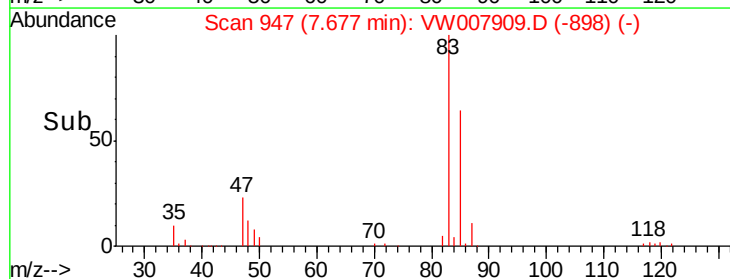
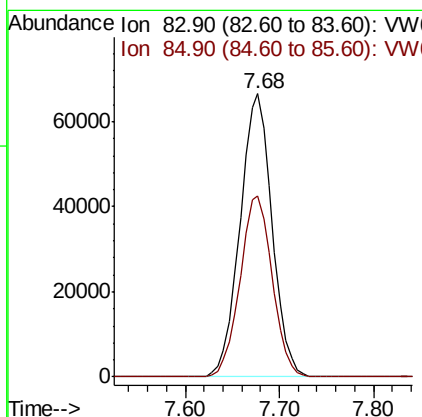
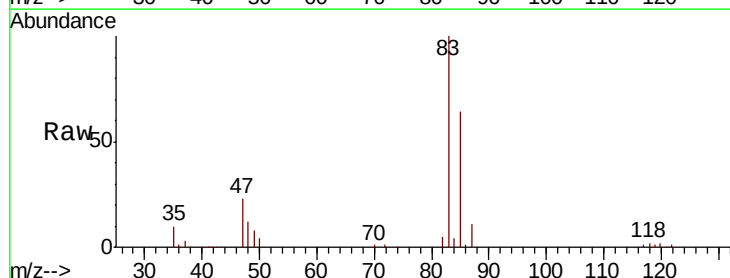
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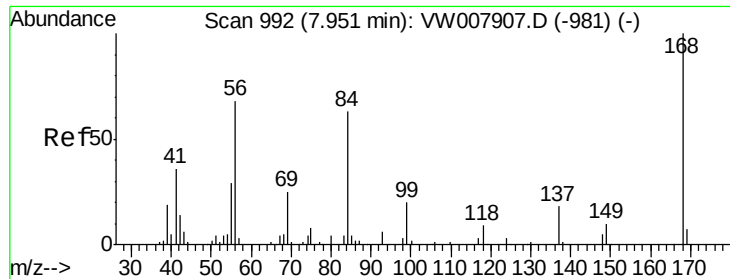
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#30
Chloroform
Concen: 100.799 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.3	76.9





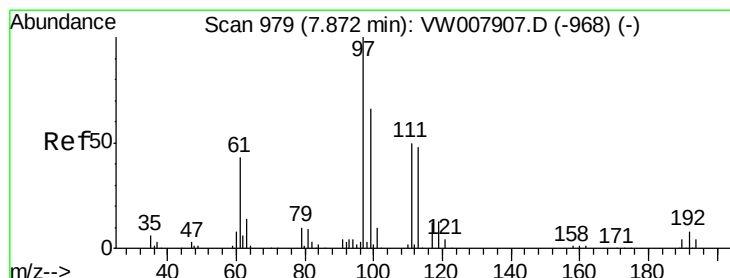
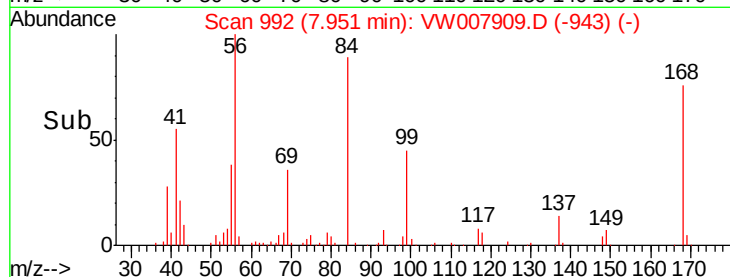
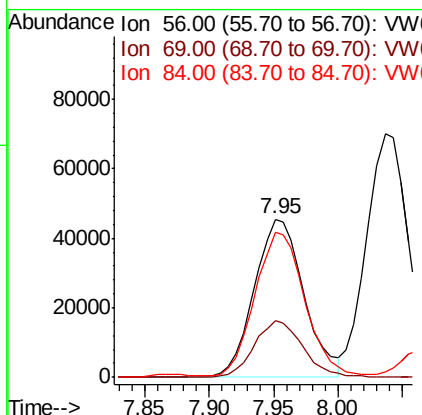
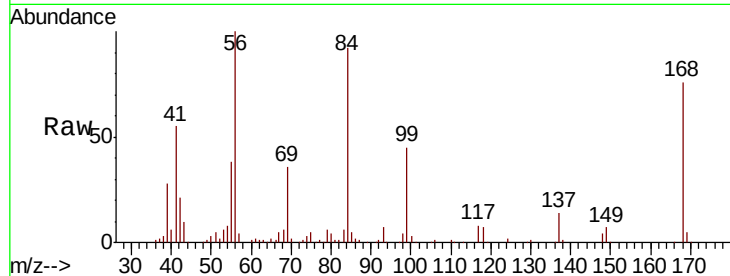
#31
Cyclohexane
Concen: 95.656 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	29.9	44.9
84	90.7	74.5	111.7

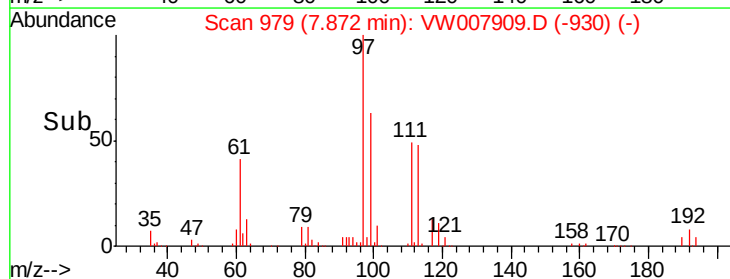
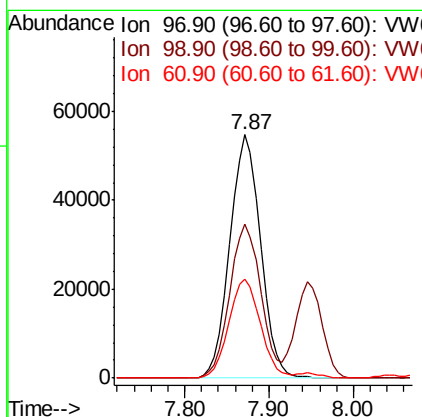
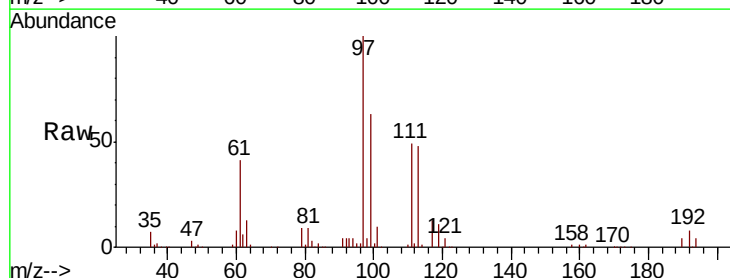
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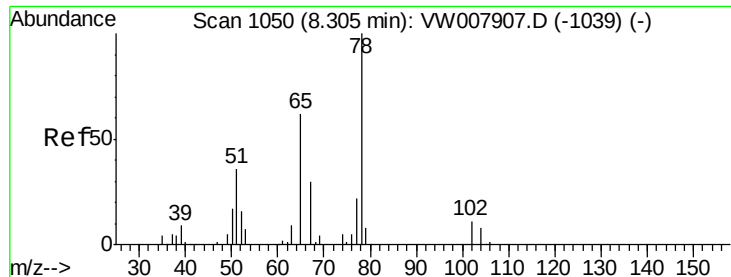
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#32
1,1,1-Trichloroethane
Concen: 95.814 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.7	79.1
61	41.6	33.3	49.9





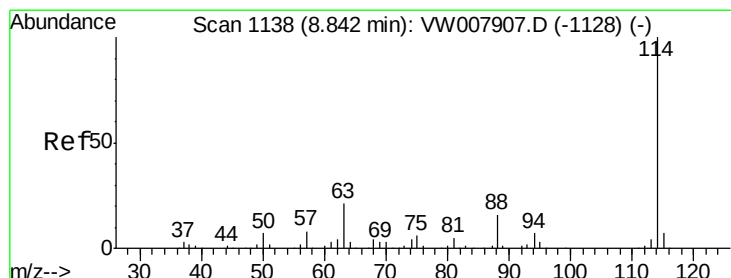
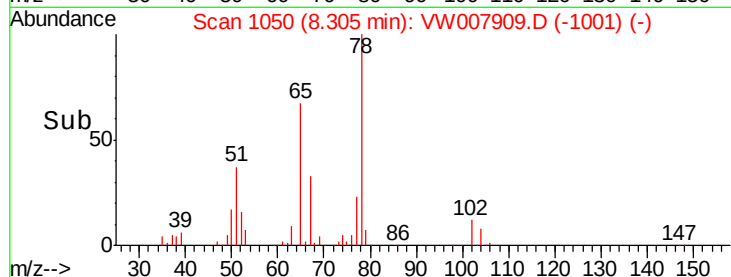
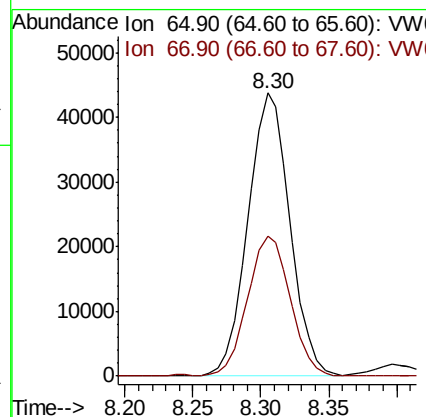
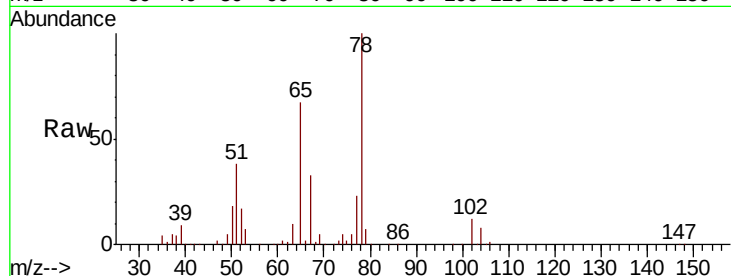
#33
 1,2-Dichloroethane-d4
 Concen: 109.050 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	98.6

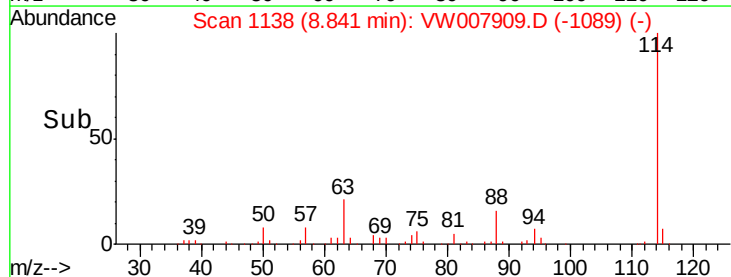
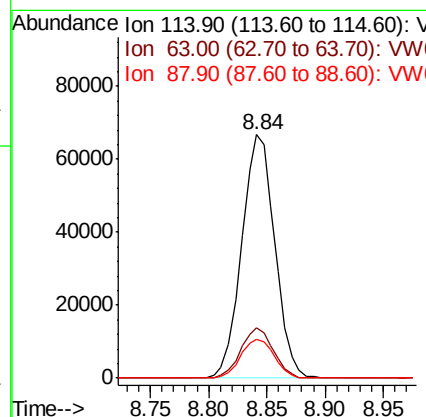
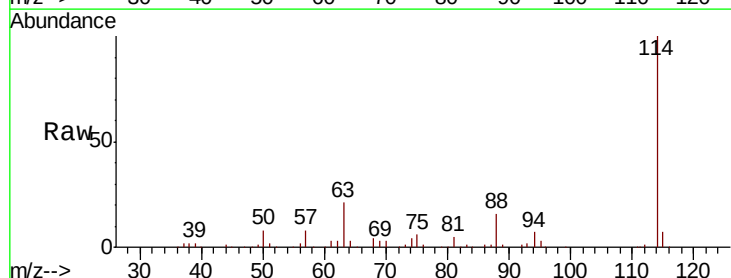
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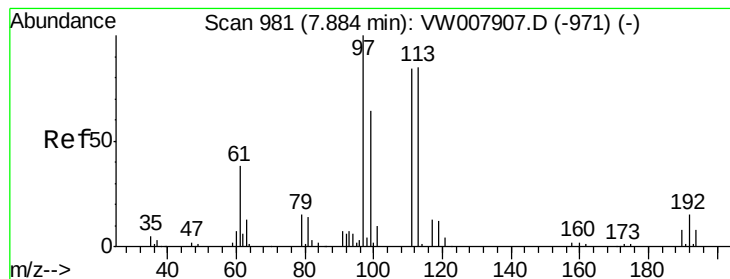
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.4
88	15.8	0.0	32.4





#35

Dibromofluoromethane

Concen: 103.684 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

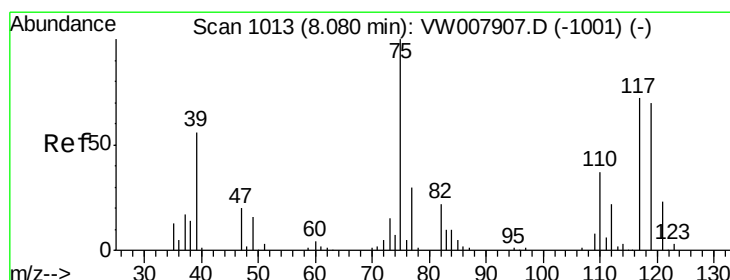
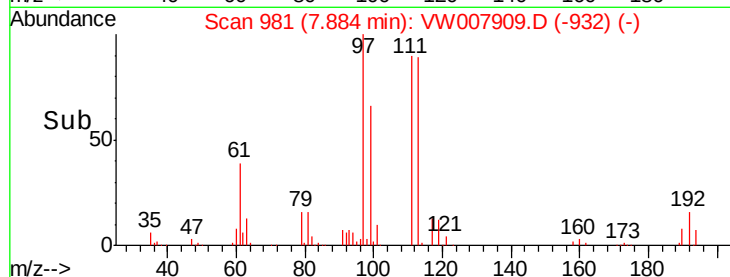
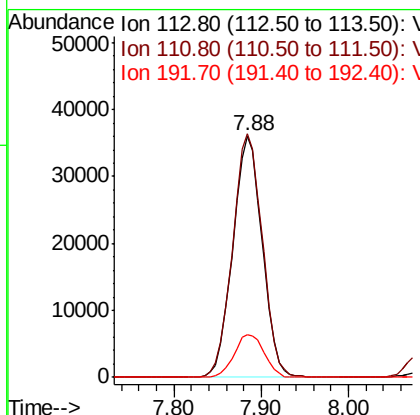
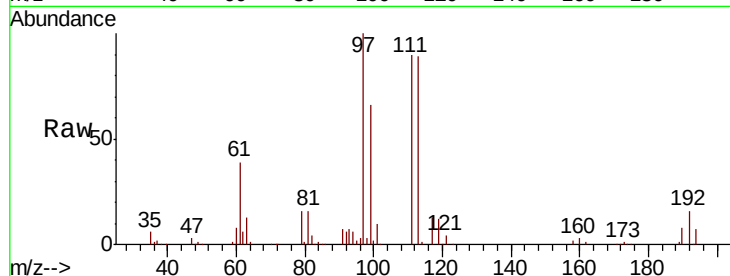
ClientSampleId :

VSTD1CC100

Tot Ion:	113	Resp:	84171
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.9	122.9
192	18.1	14.9	22.3

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#36

1,1-Dichloropropene

Concen: 93.115 ug/l

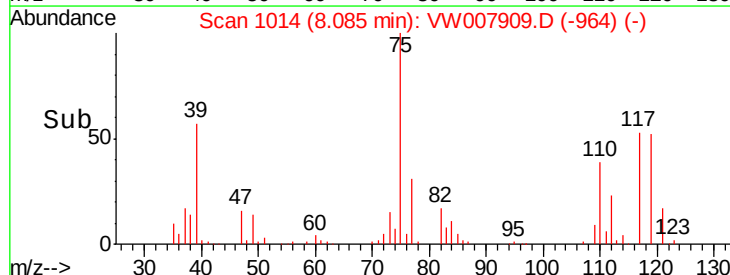
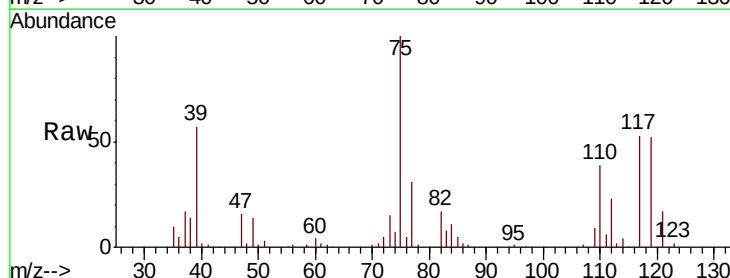
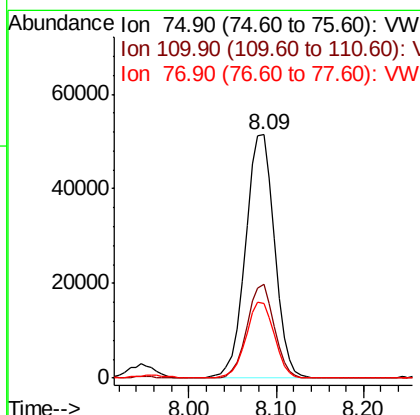
RT: 8.09 min Scan# 1014

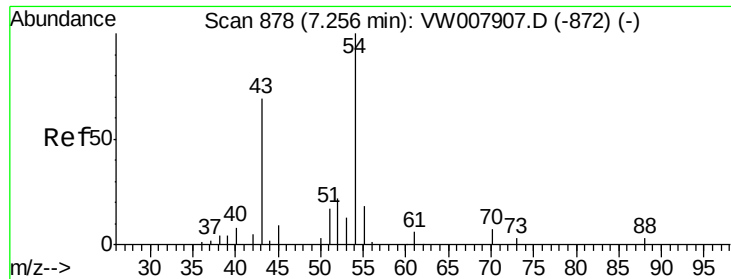
Delta R.T. 0.01 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	75	Resp:	118221
Ion Ratio	Lower	Upper	
75	100		
110	36.3	18.2	54.6
77	30.7	25.0	37.4





#37

Ethyl Acetate

Concen: 101.087 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

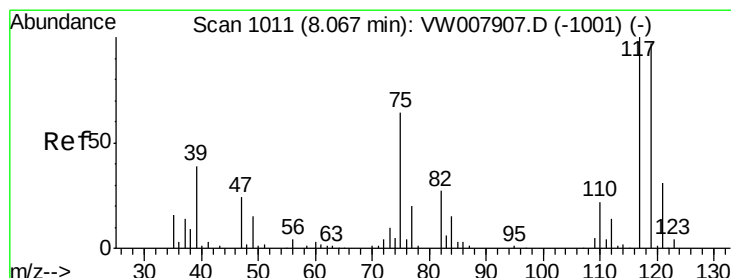
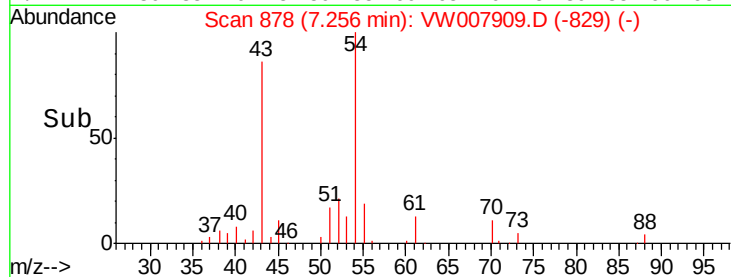
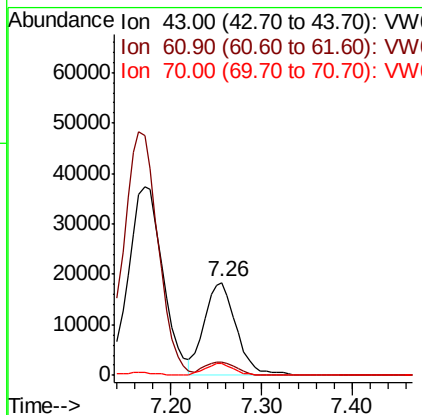
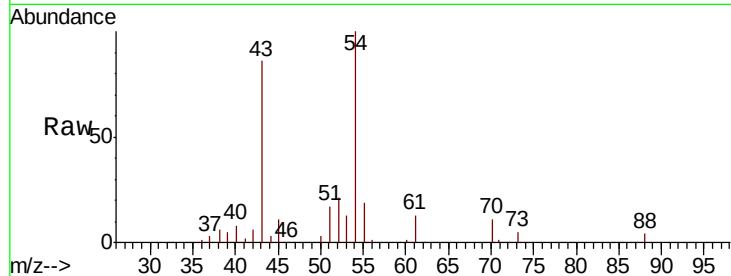
ClientSampleId :

VSTD1CC100

Tot Ion:	43	Resp:	45545
Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.6	16.0
70	11.9	9.0	13.4

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#38

Carbon Tetrachloride

Concen: 86.944 ug/l

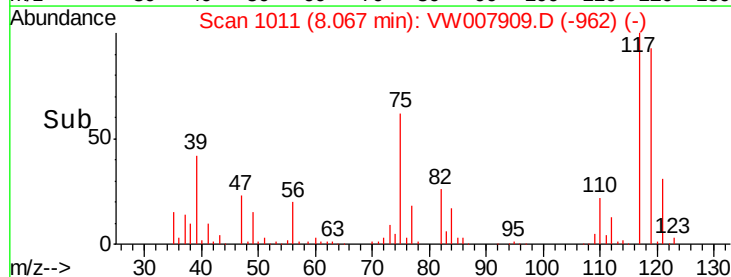
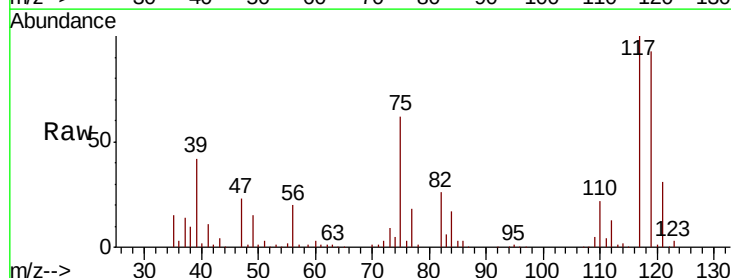
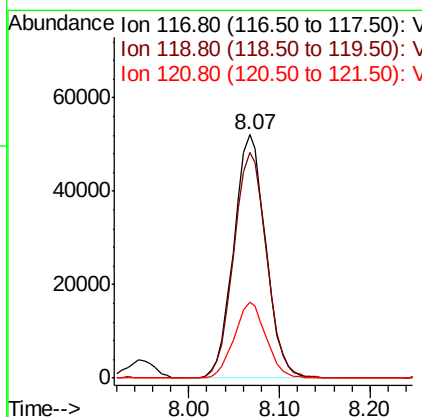
RT: 8.07 min Scan# 1011

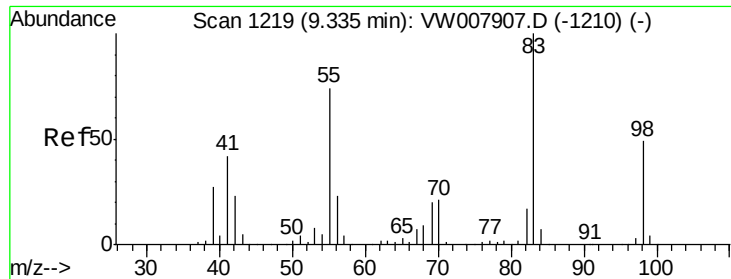
Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	117	Resp:	127805
Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.3	115.9
121	31.4	24.5	36.7





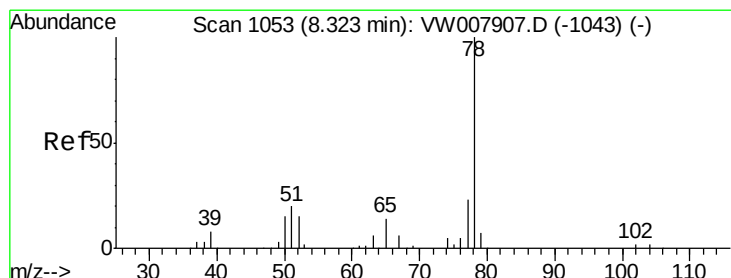
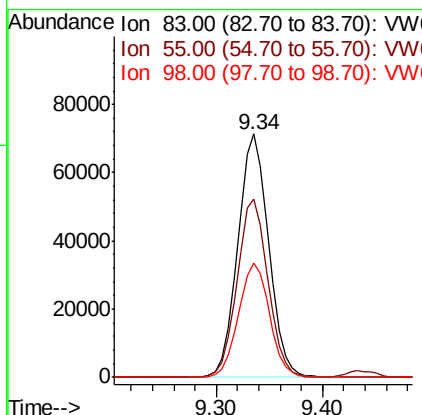
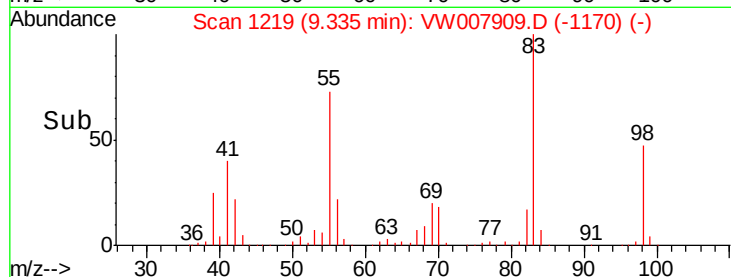
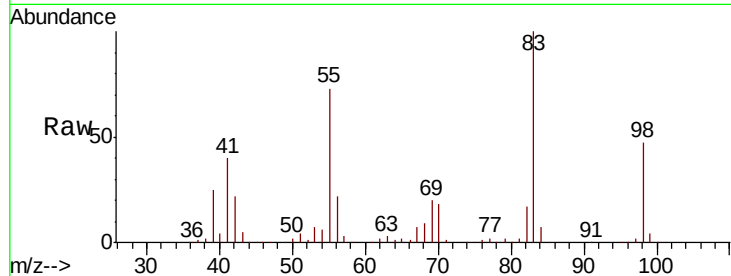
#39
Methylvlcyclohexane
Concen: 92.059 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	59.1	88.7
98	47.1	39.2	58.8

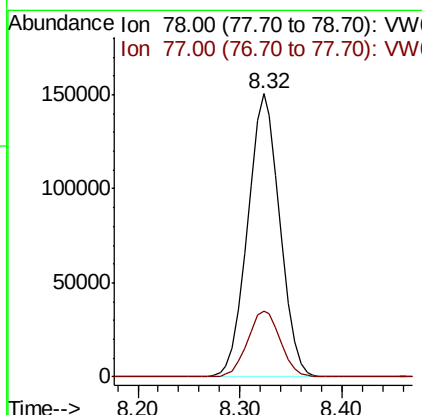
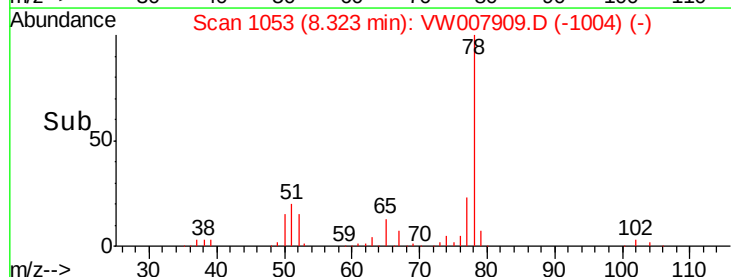
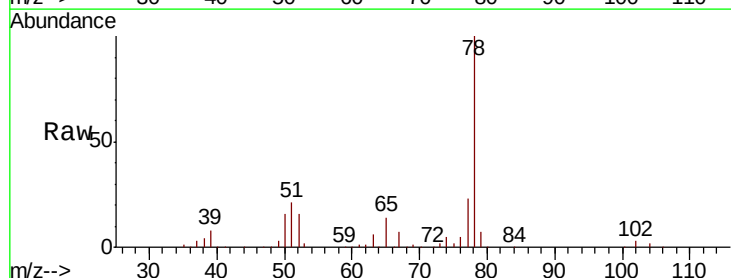
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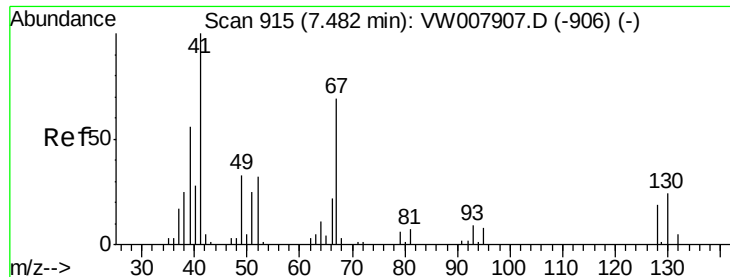
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#40
Benzene
Concen: 96.385 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





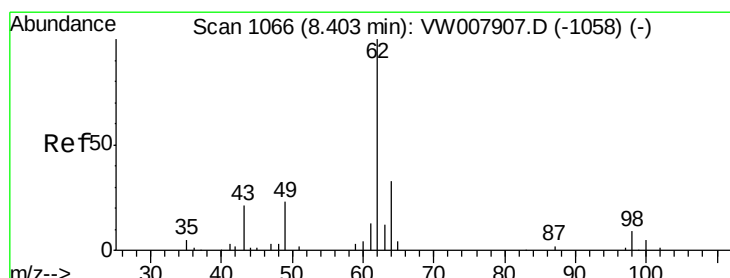
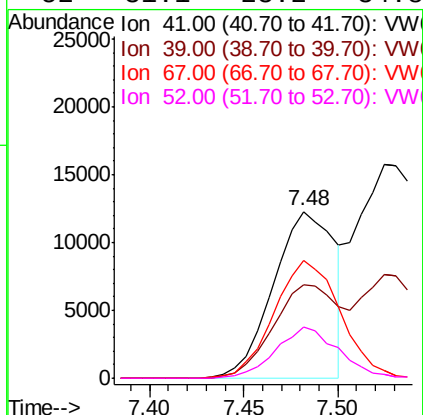
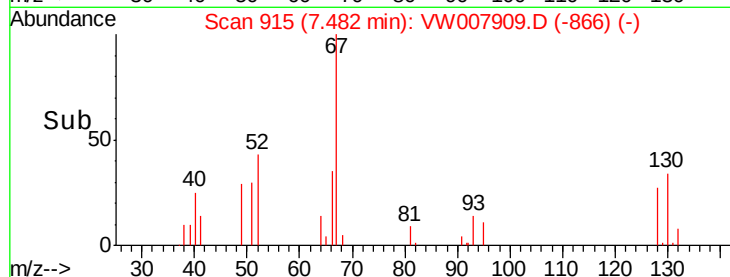
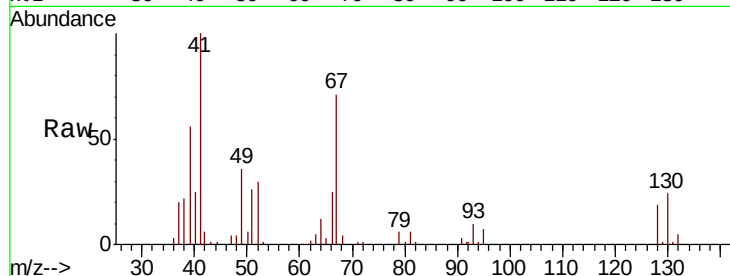
#41
Methacrylonitrile
Concen: 105.633 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion:	41	Resp:	27874
Ion	Ratio	Lower	Upper
41	100		
39	63.0	45.0	67.4
67	76.2	53.9	80.9
52	31.1	23.2	34.8

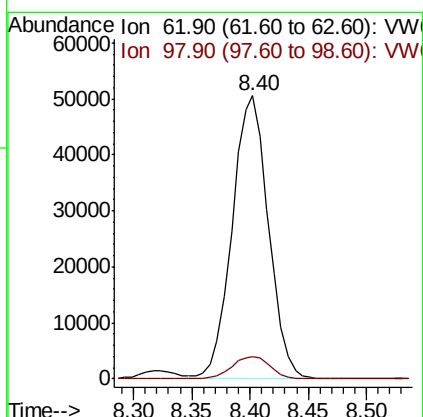
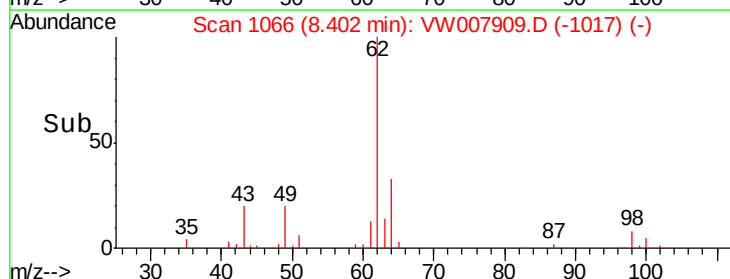
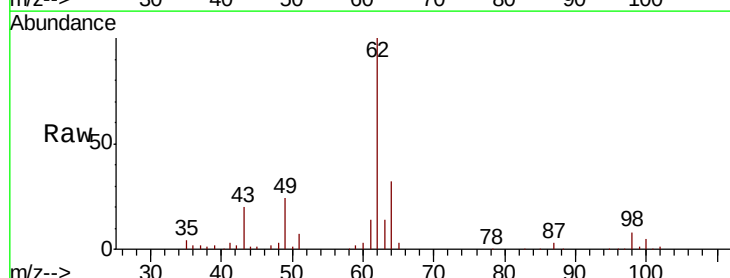
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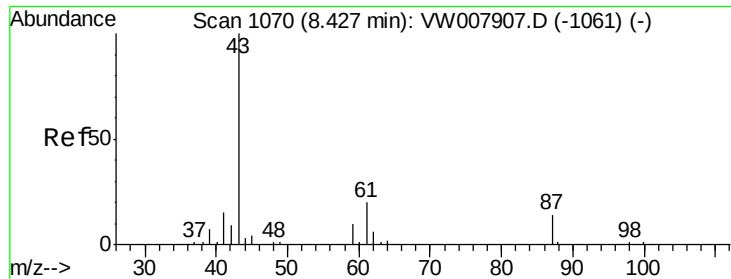
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#42
1,2-Dichloroethane
Concen: 95.845 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion:	62	Resp:	109436
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 107.030 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

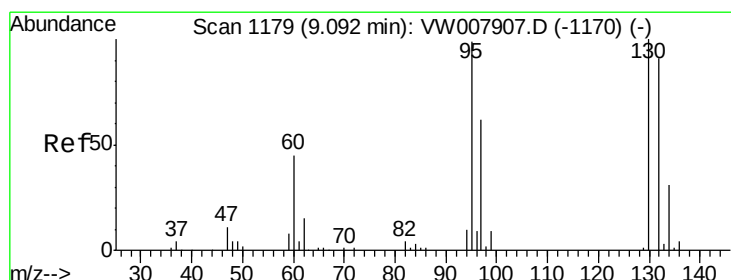
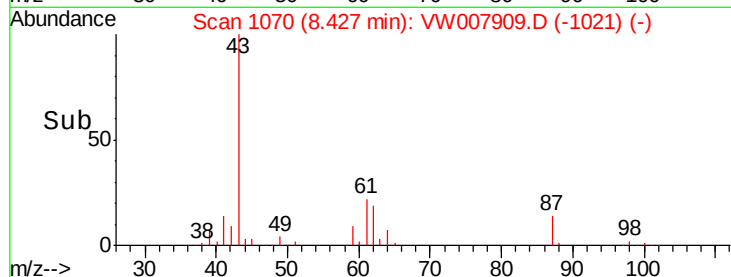
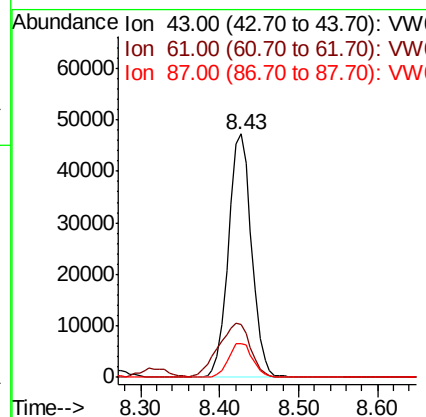
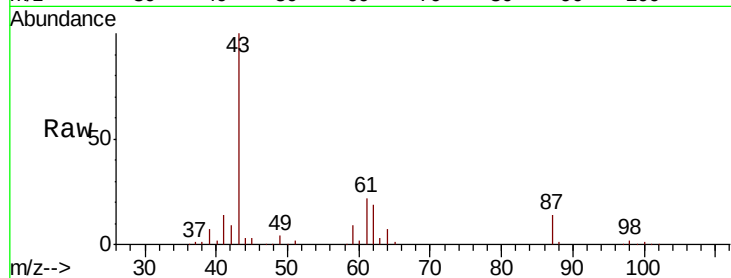
ClientSampleId :

VSTD1CC100

Tot Ion:	43	Resp:	96769
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.2	36.2
87	14.5	11.2	16.8

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#44

Trichloroethene

Concen: 91.169 ug/l

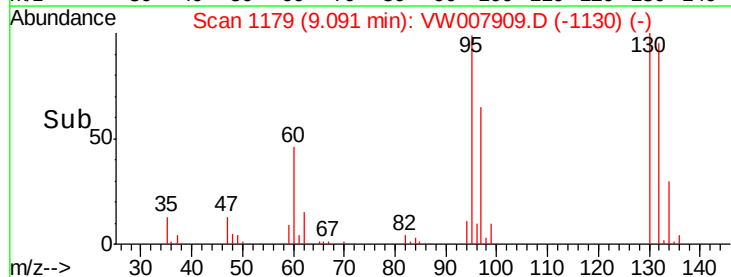
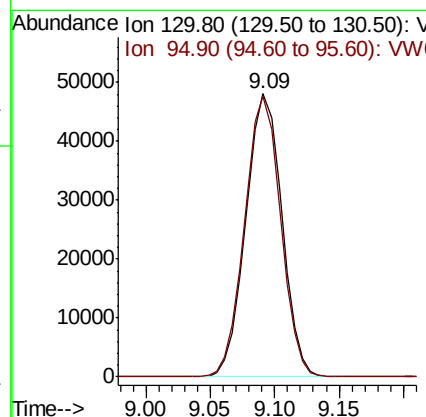
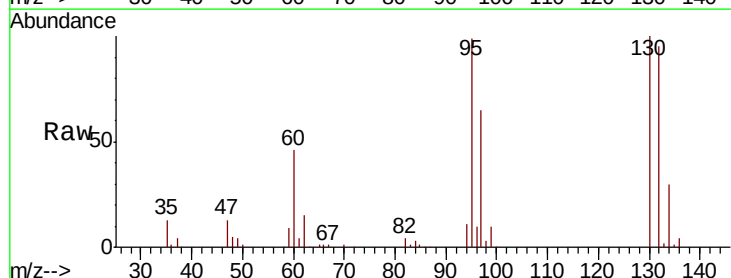
RT: 9.09 min Scan# 1179

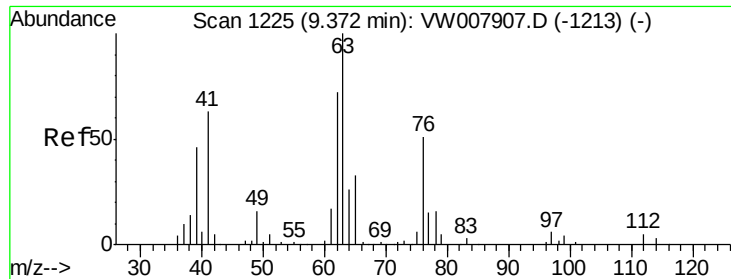
Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion:	130	Resp:	93217
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	197.4





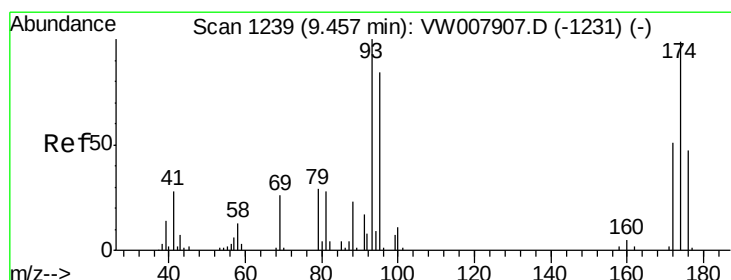
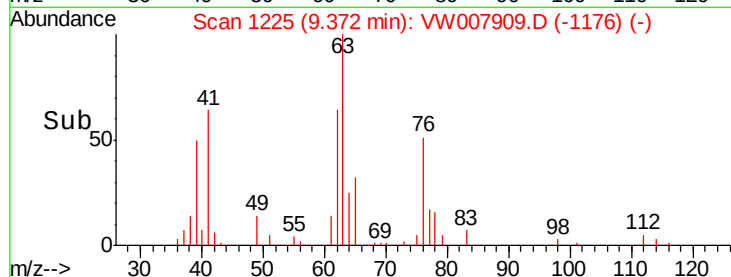
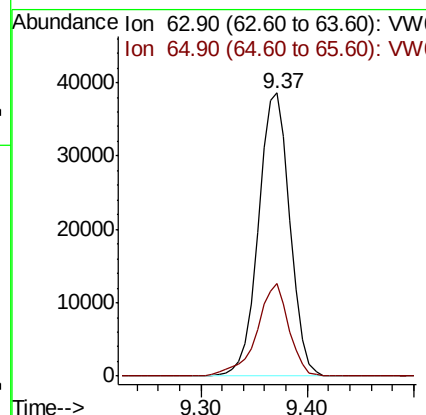
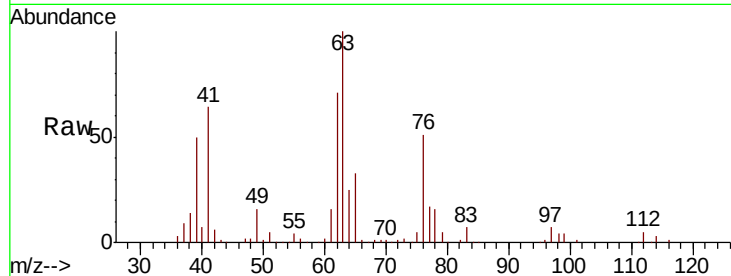
#45
 1,2-Dichloropropane
 Concen: 104.137 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion: 63 Resp: 79760
 Ion Ratio Lower Upper
 63 100
 65 32.7 26.4 39.6

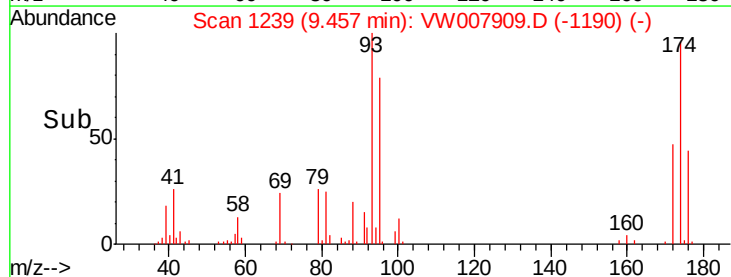
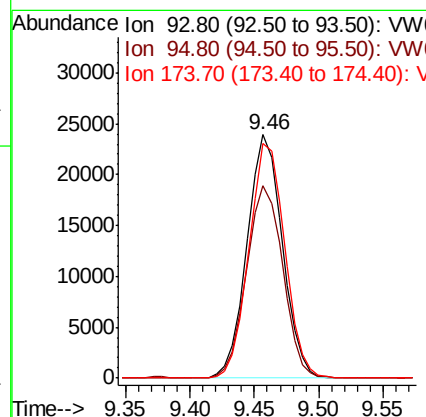
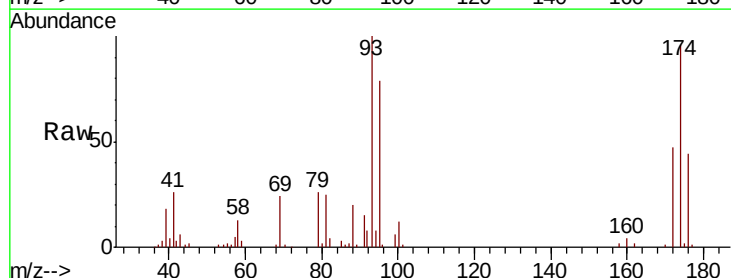
Manual Integrations
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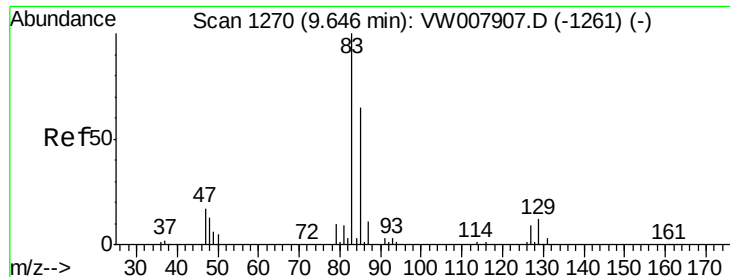
apatel
 12/27/2018 11:18:02 AM



#46
 Dibromomethane
 Concen: 97.466 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion: 93 Resp: 45274
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.6 100.0
 174 97.8 81.0 121.4





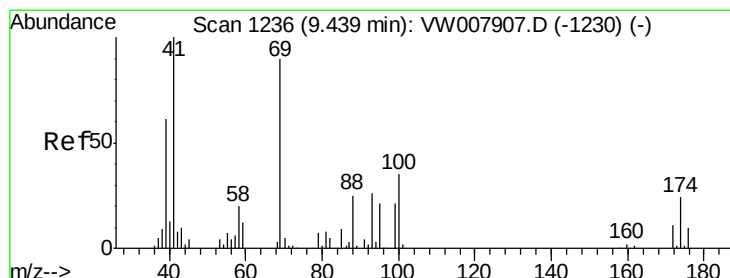
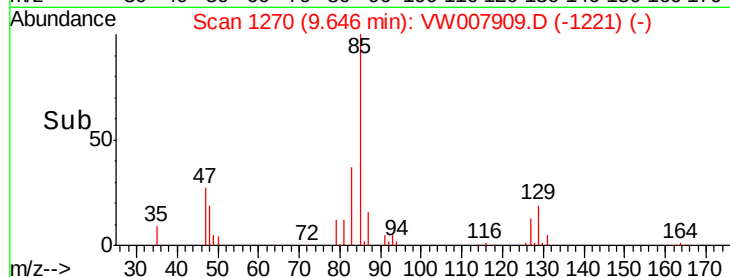
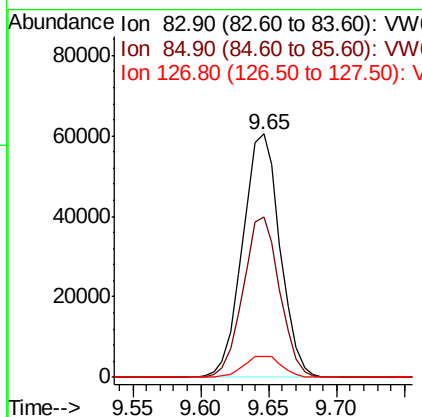
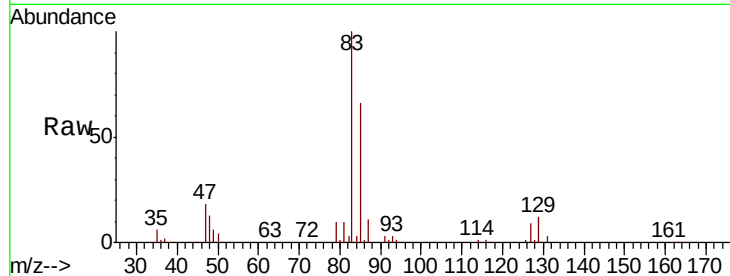
#47
Bromodichloromethane
Concen: 95.577 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116587		
85	65.9	52.2	78.4	
127	8.8	6.8	10.2	

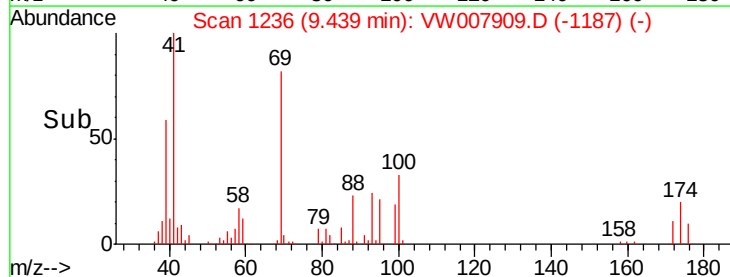
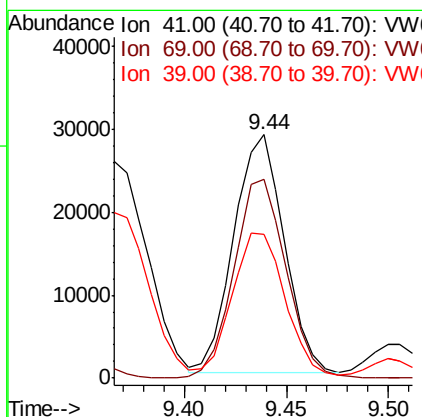
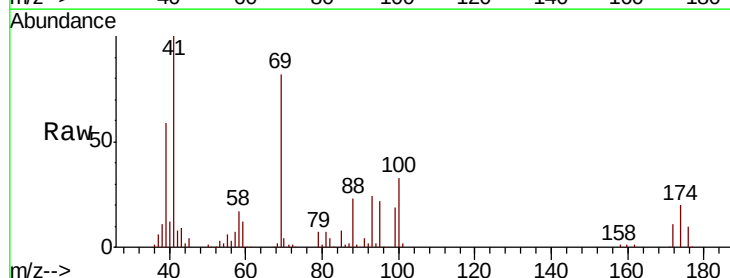
Manual Integrations
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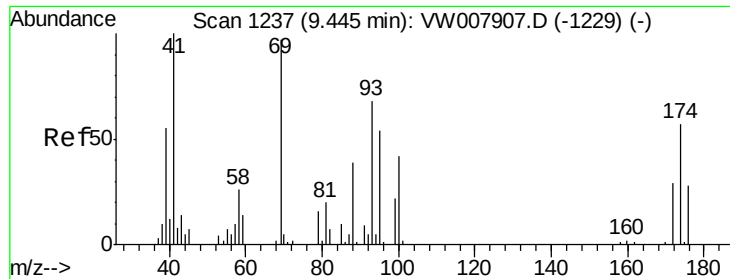
apatel
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#48
Methyl methacrylate
Concen: 109.042 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49368		
69	87.0	70.4	105.6	
39	65.2	51.7	77.5	





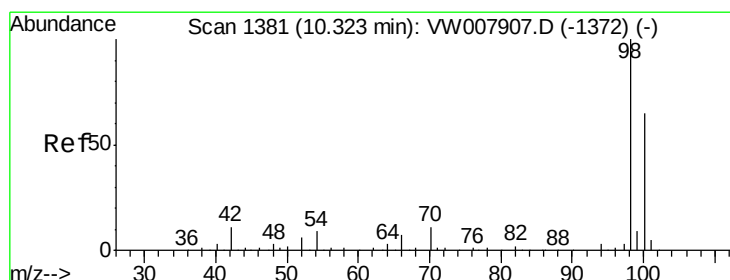
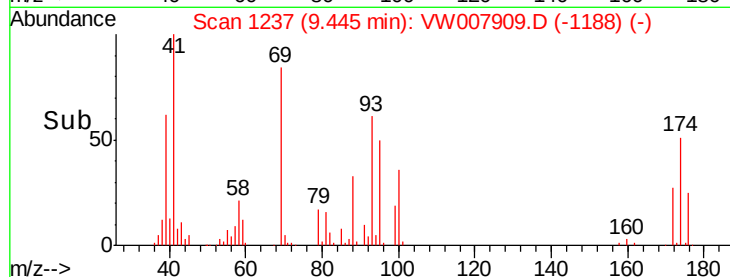
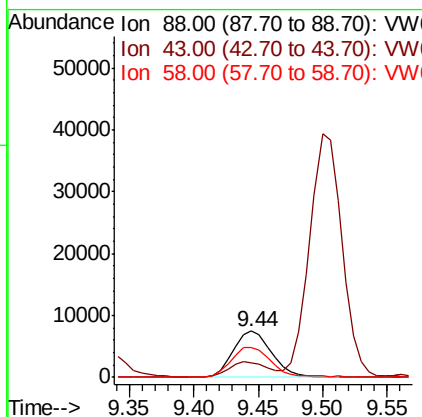
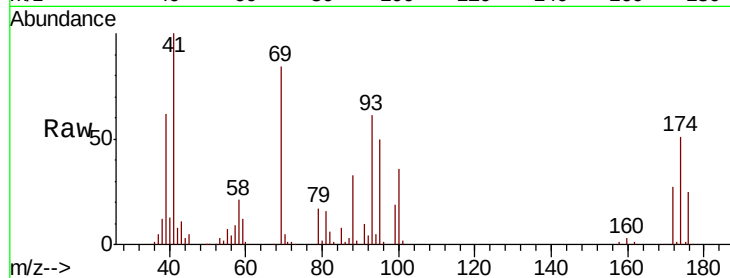
#49
1,4-Dioxane
Concen: 2084.274 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	30.9	46.3
58	68.2	55.4	83.0

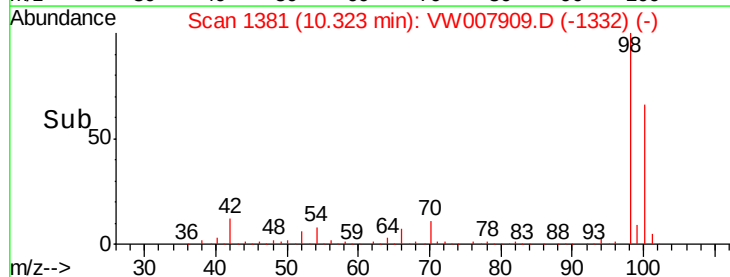
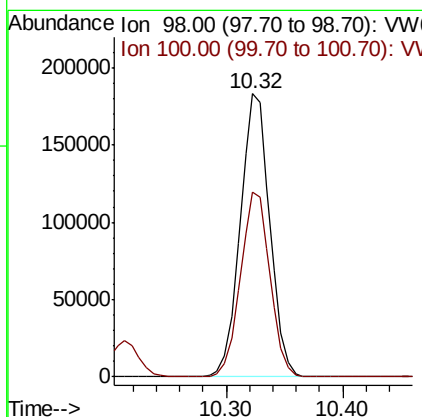
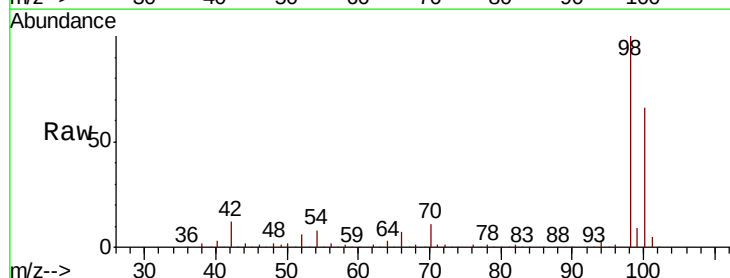
Manual Integrations
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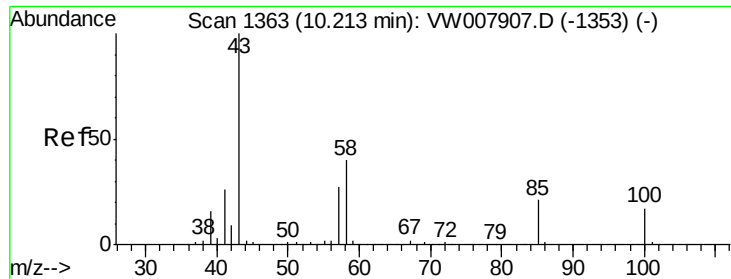
apatel
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#50
Toluene-d8
Concen: 105.154 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 533.331 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 43 Resp: 229306

Ion Ratio Lower Upper

43 100

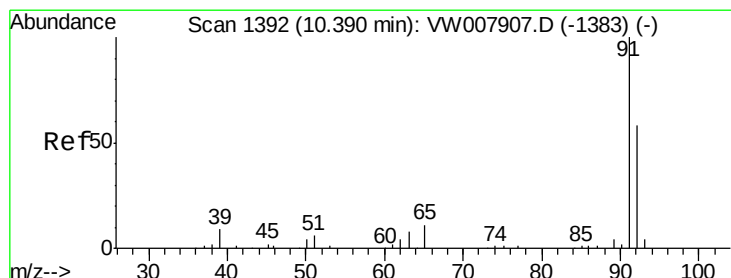
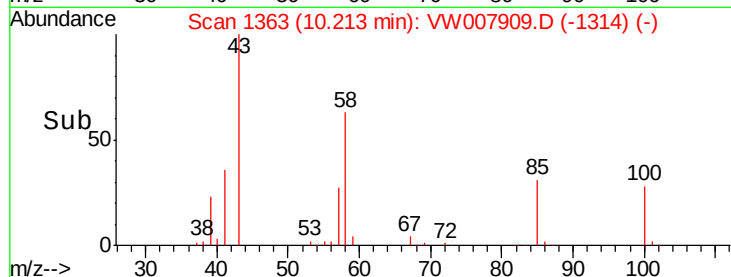
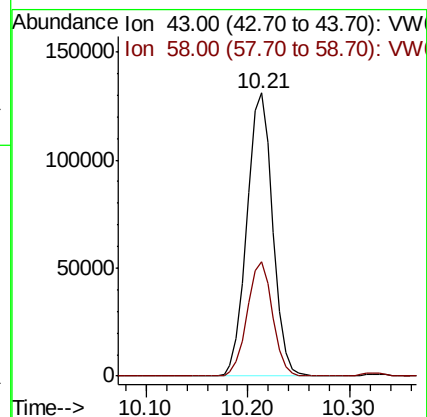
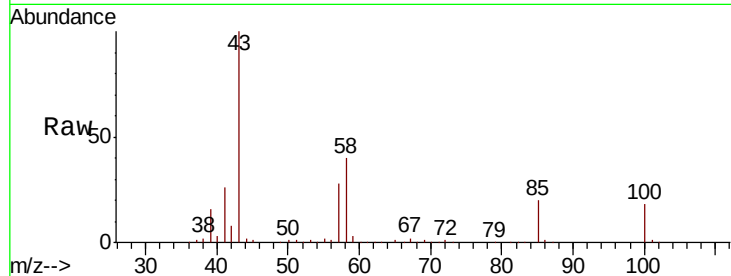
58 39.9 31.6 47.4

Manual Integrations

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#52

Toluene

Concen: 95.962 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007909.D

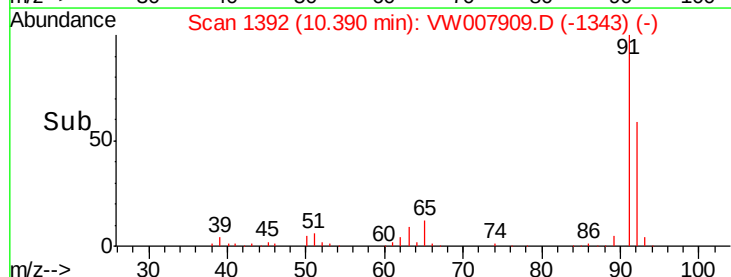
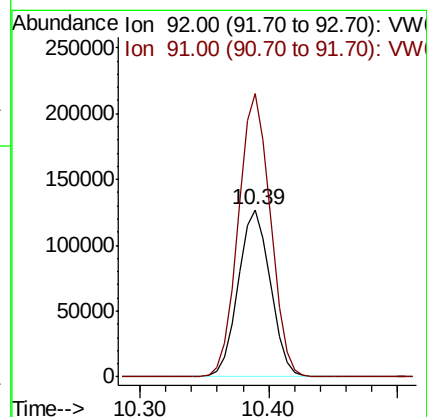
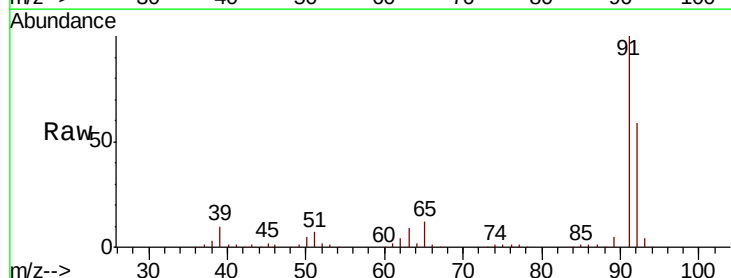
Acq: 25 Dec 2018 01:22

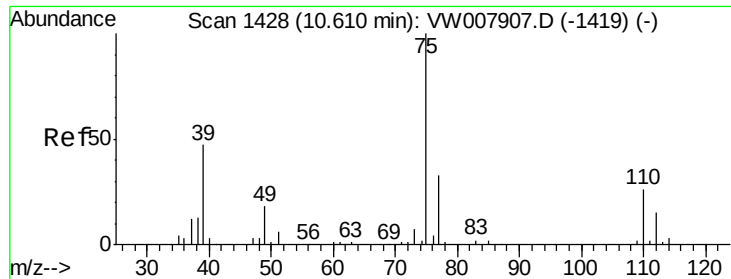
Tgt Ion: 92 Resp: 219457

Ion Ratio Lower Upper

92 100

91 169.8 138.0 207.0





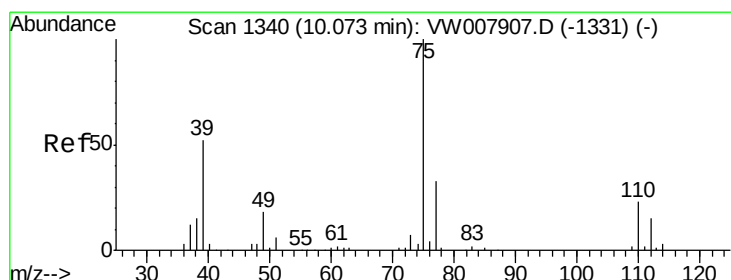
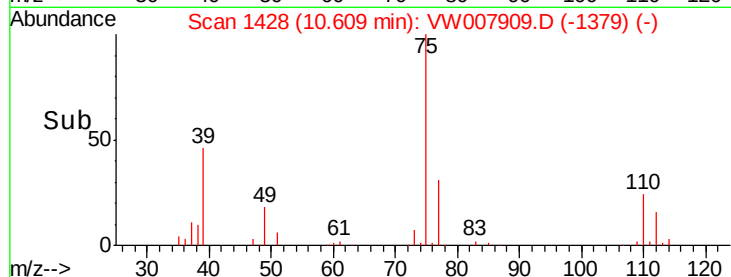
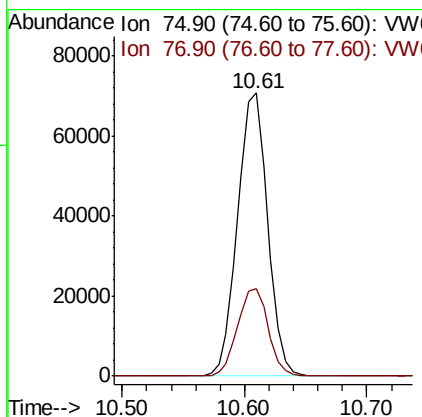
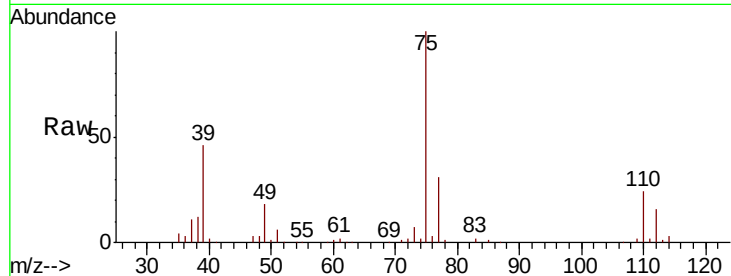
#53
 t-1,3-Dichloropropene
 Concen: 98.704 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.4	39.6

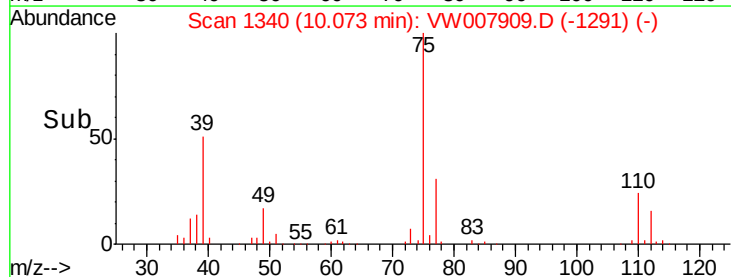
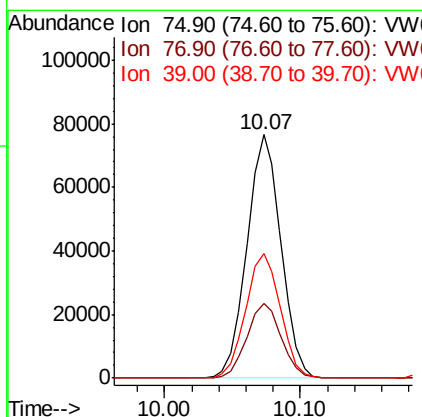
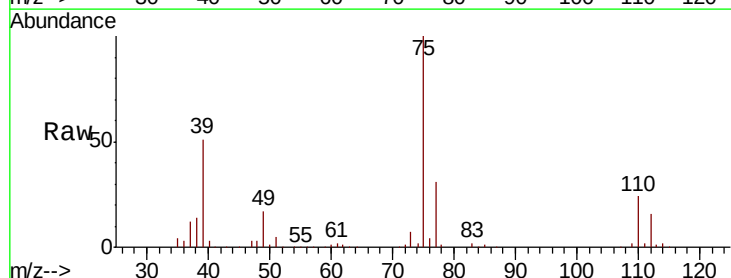
Manual Integrations
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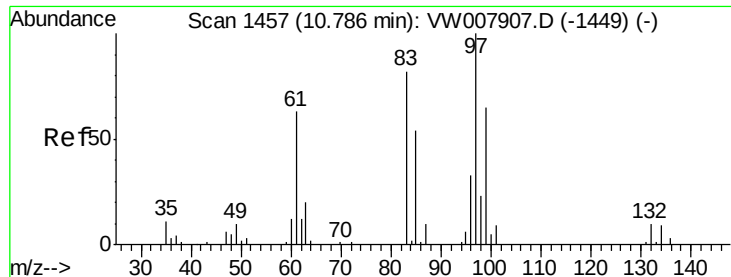
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#54
 cis-1,3-Dichloropropene
 Concen: 99.251 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.2	39.2
39	51.3	41.8	62.6





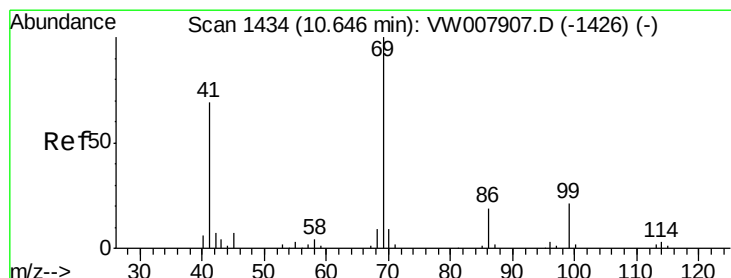
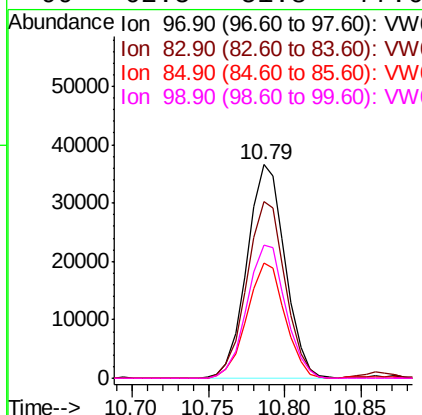
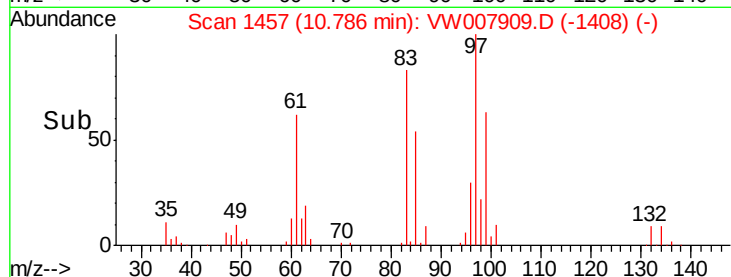
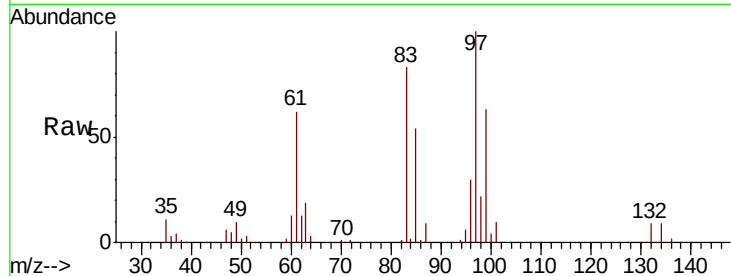
#55
 1,1,2-Trichloroethane
 Concen: 97.815 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion:	97	Resp:	63288
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.8	98.6
85	54.1	43.5	65.3
99	62.5	51.8	77.6

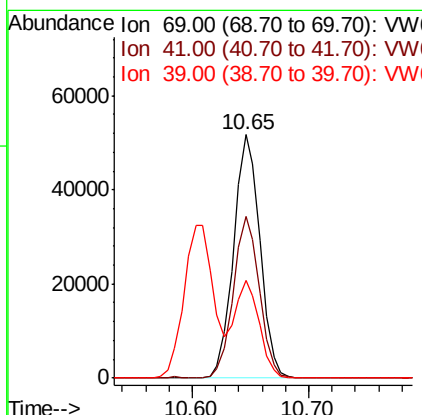
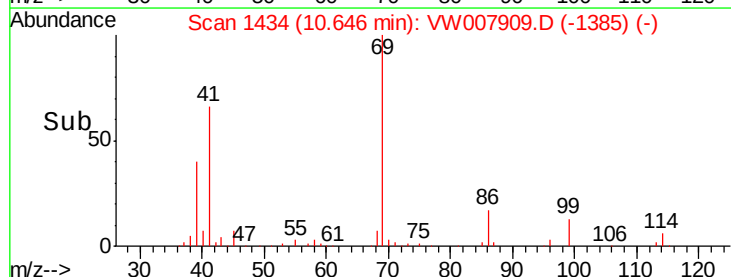
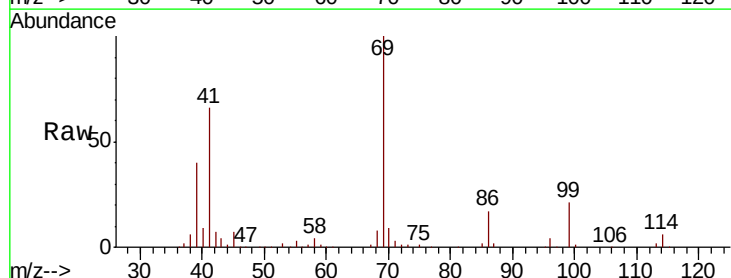
Manual Integrations
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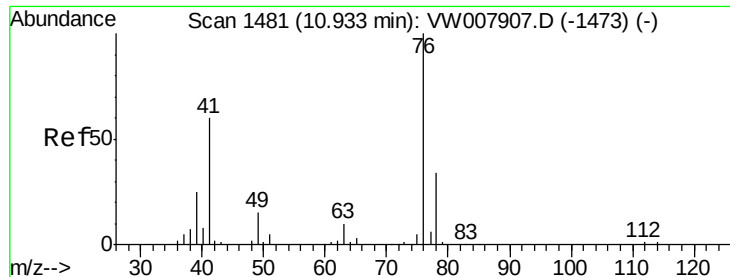
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#56
 Ethyl methacrylate
 Concen: 106.427 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion:	69	Resp:	81609
Ion	Ratio	Lower	Upper
69	100		
41	66.1	54.0	81.0
39	38.0	31.1	46.7





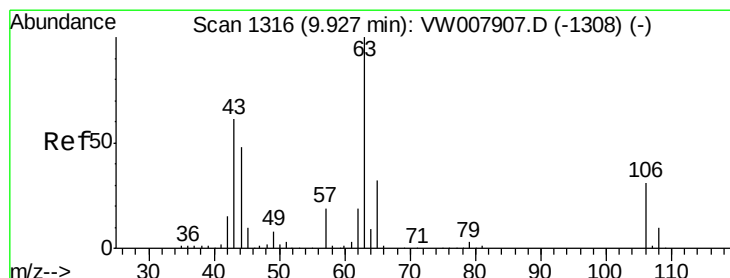
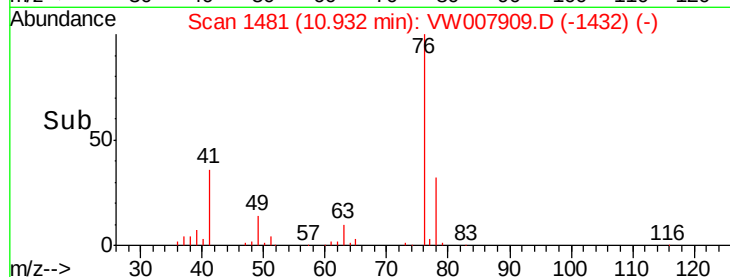
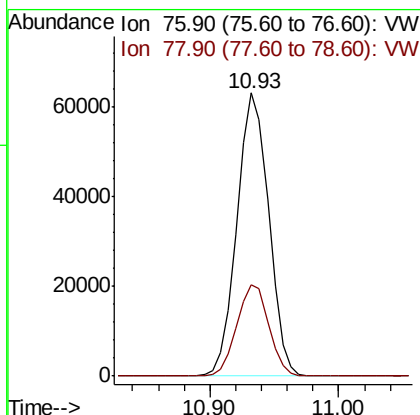
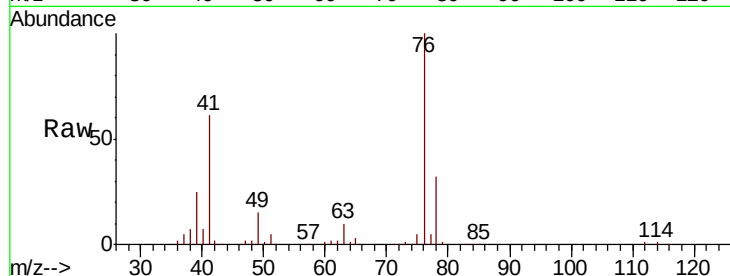
#57
 1,3-Dichloropropane
 Concen: 99.624 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion: 76 Resp: 107498
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

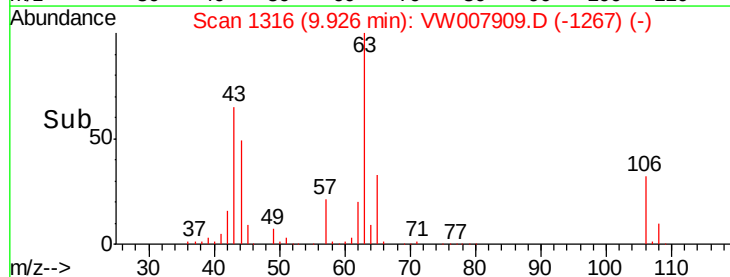
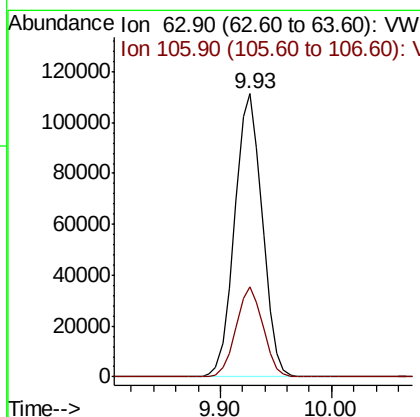
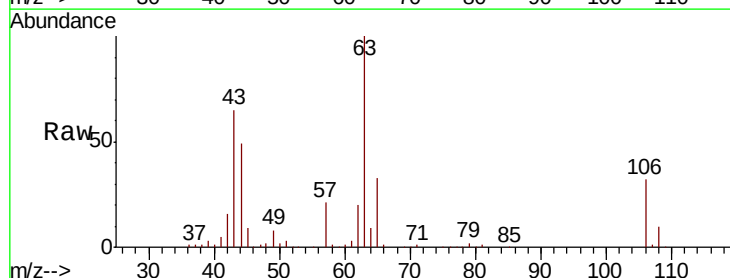
Manual Integrations
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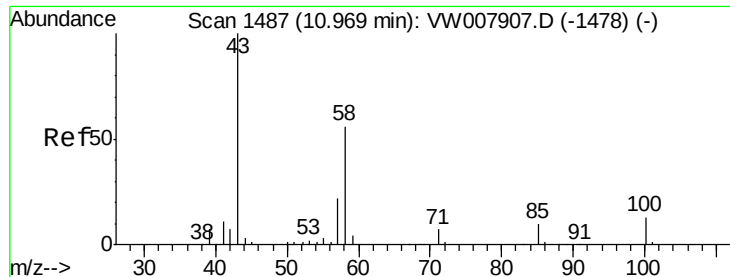
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 540.124 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion: 63 Resp: 190598
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.8 37.2





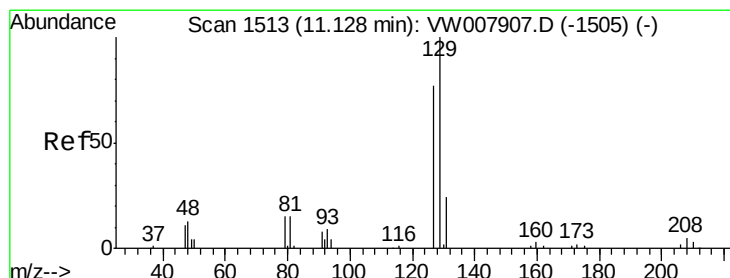
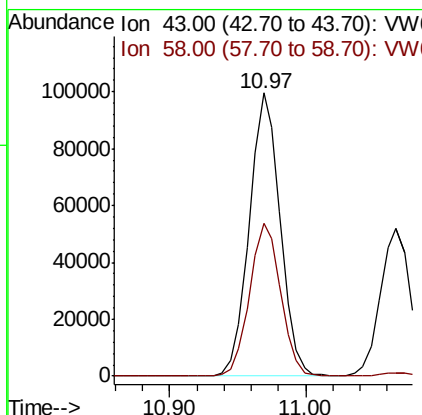
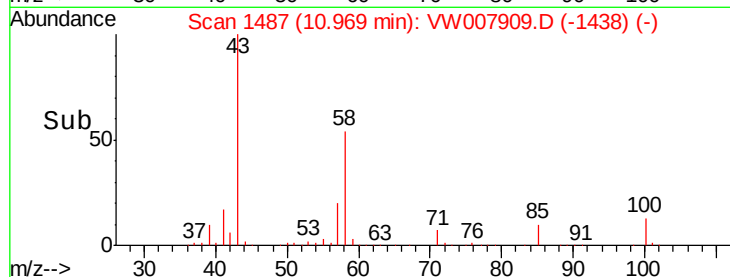
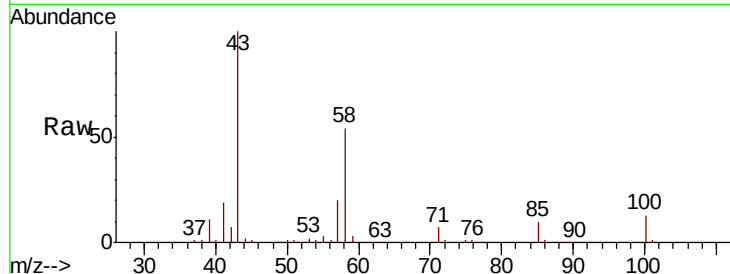
#59
2-Hexanone
Concen: 526.052 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion: 43 Resp: 158421
Ion Ratio Lower Upper
43 100
58 54.2 27.4 82.0

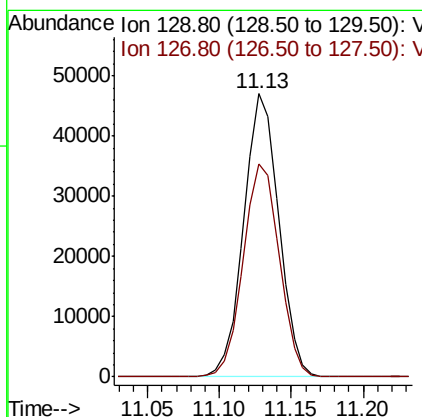
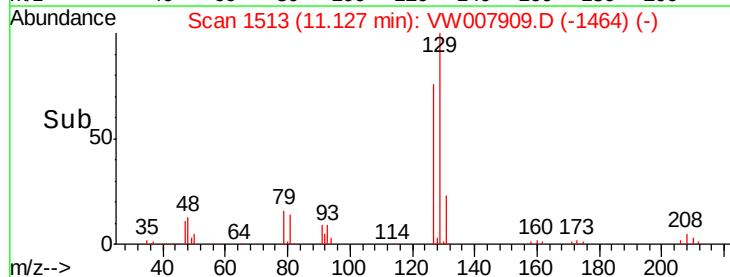
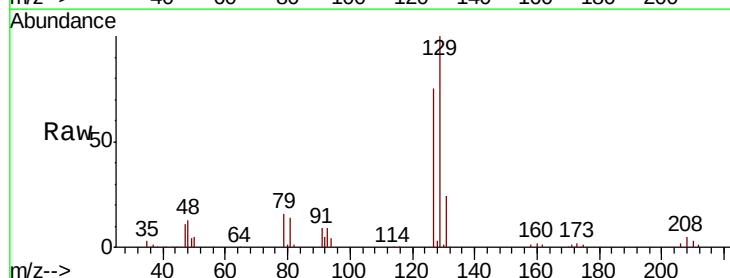
Manual Integrations
APPROVED

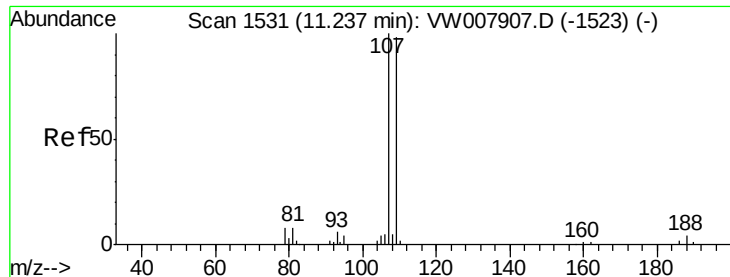
apatel
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#60
Dibromochloromethane
Concen: 93.910 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion: 129 Resp: 79111
Ion Ratio Lower Upper
129 100
127 77.5 38.0 113.9





#61

1,2-Dibromoethane

Concen: 96.903 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion:107 Resp: 63363

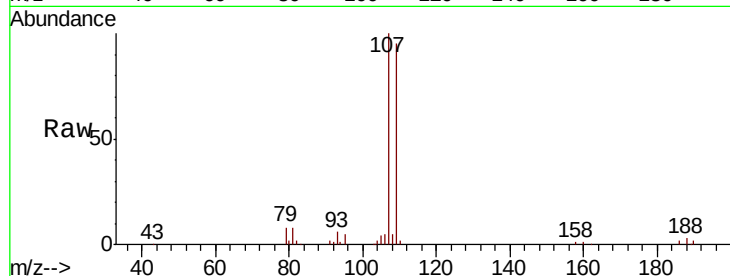
Ion Ratio Lower Upper

107 100

109 94.9 76.4 114.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

30000

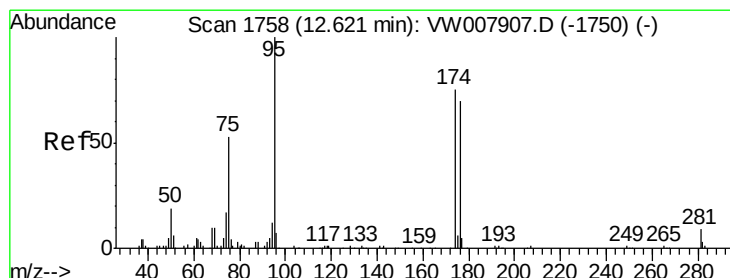
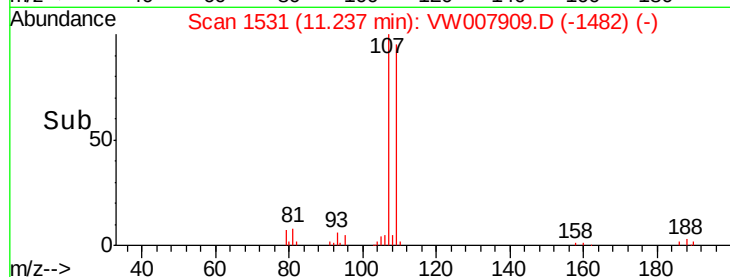
20000

10000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 103.984 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

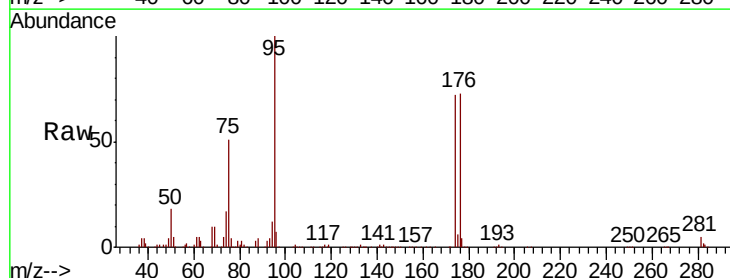
Tgt Ion: 95 Resp: 123207

Ion Ratio Lower Upper

95 100

174 72.3 0.0 145.4

176 71.1 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

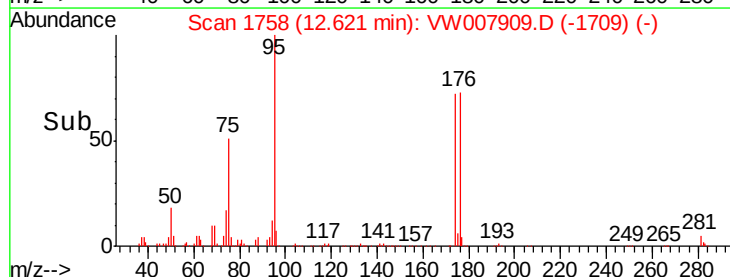
40000

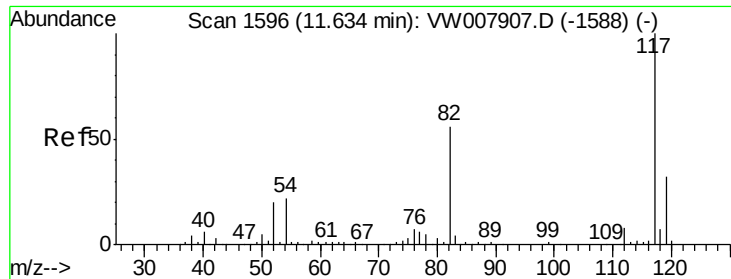
20000

0

Time-->

12.55 12.60 12.65 12.70





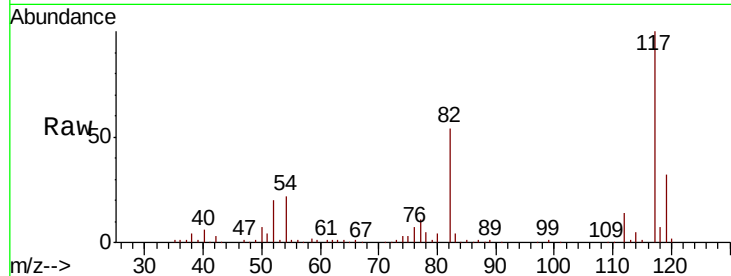
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.1	67.7
119	32.1	25.8	38.8

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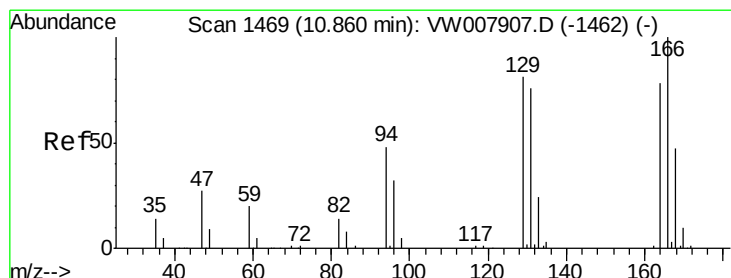
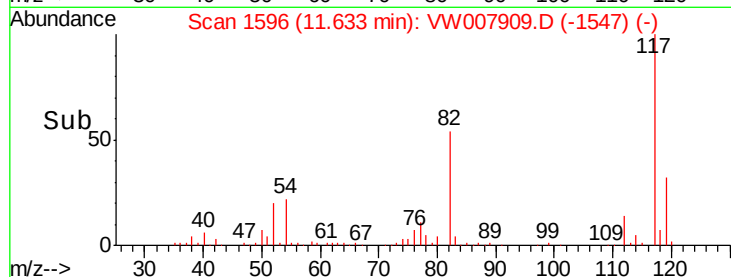
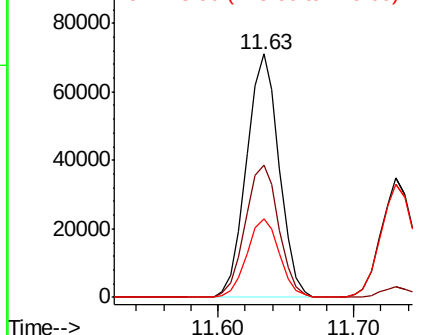


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 93.286 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.1	153.1
129	98.9	82.3	123.5
131	95.1	77.6	116.4

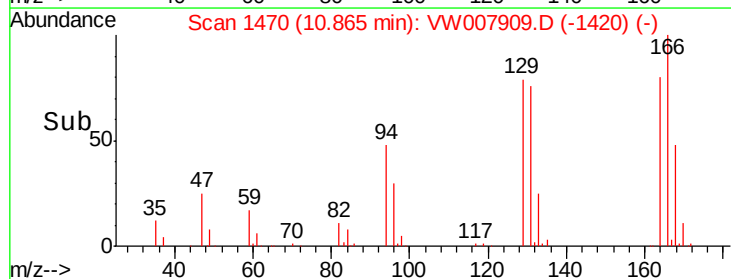
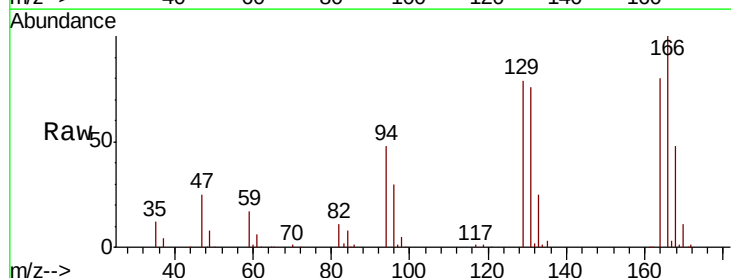
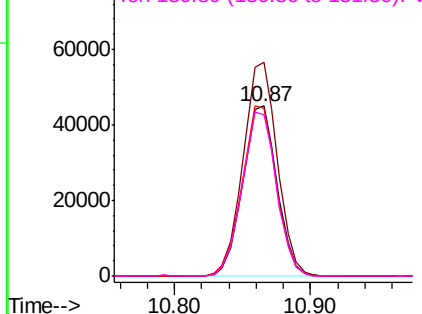
Abundance

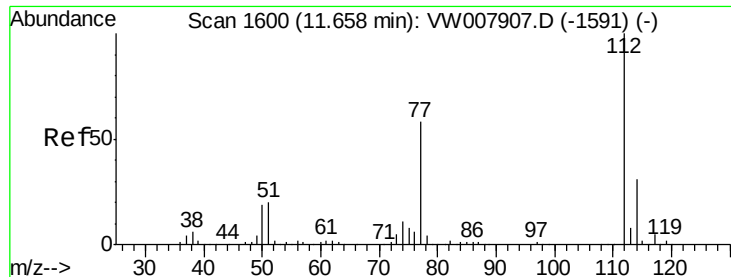
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





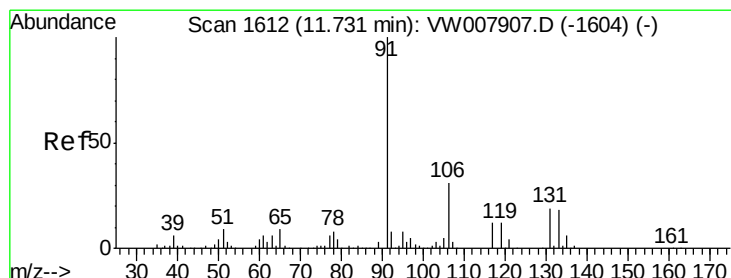
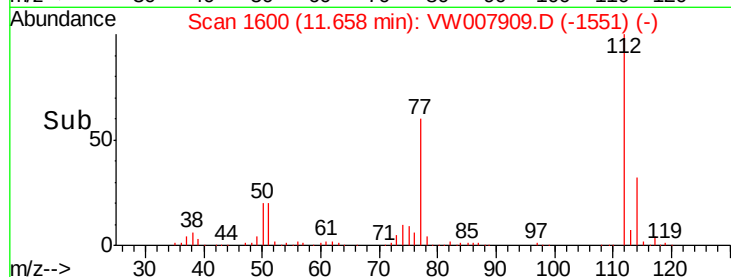
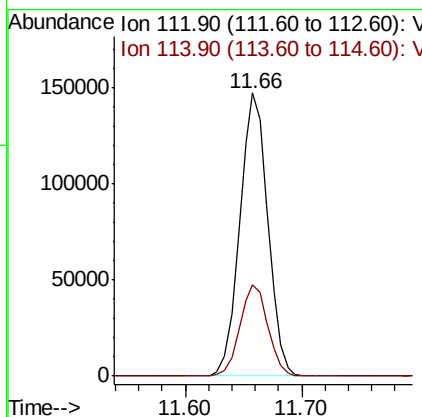
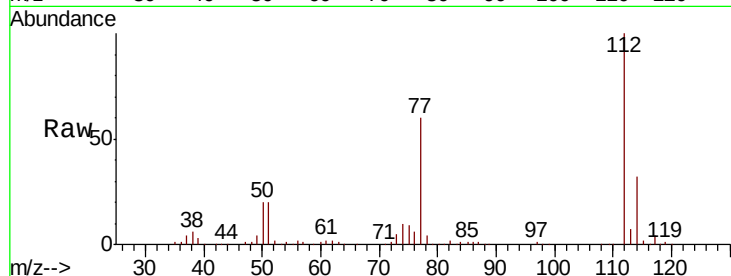
#65
Chlorobenzene
Concen: 95.149 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion:112 Resp: 246149
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7

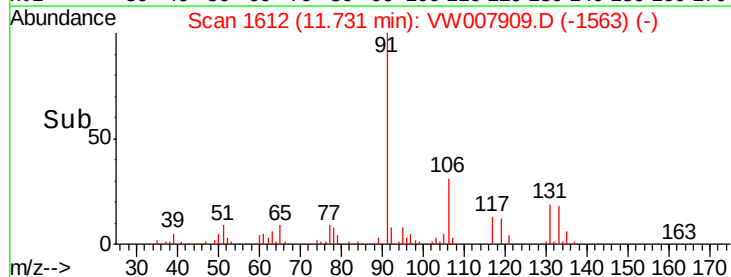
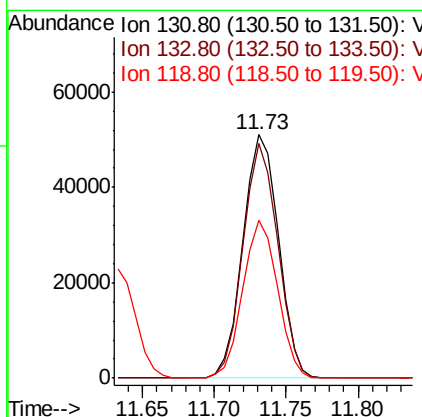
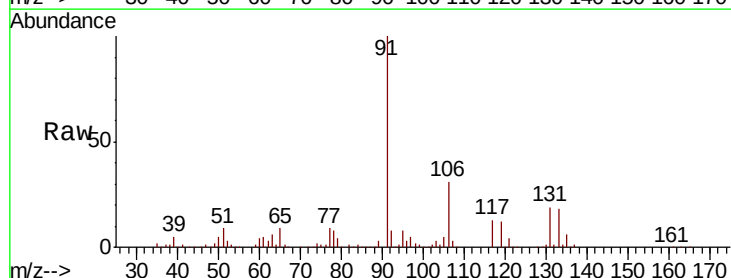
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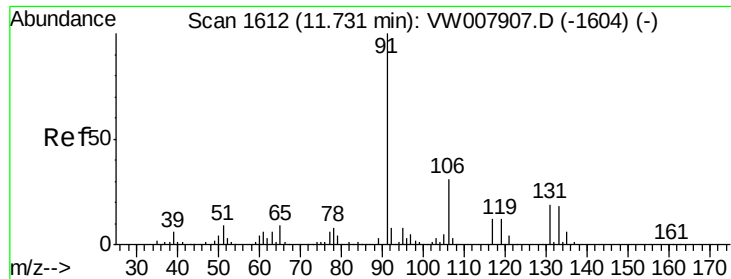
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#66
1,1,1,2-Tetrachloroethane
Concen: 95.332 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion:131 Resp: 87584
Ion Ratio Lower Upper
131 100
133 94.3 48.4 145.3
119 63.4 31.6 95.0





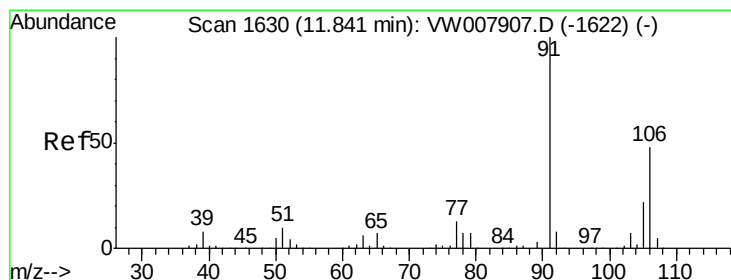
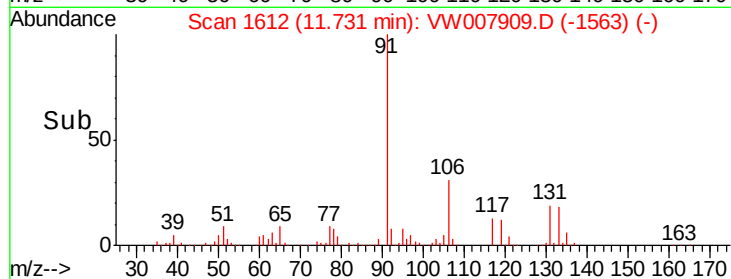
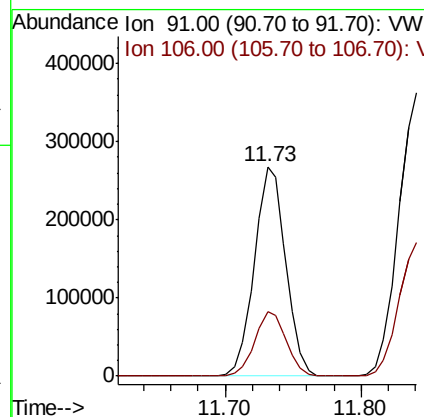
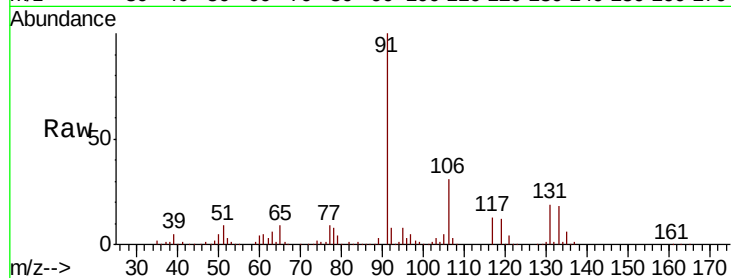
#67
Ethyl Benzene
Concen: 97.216 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion: 91 Resp: 432804
Ion Ratio Lower Upper
91 100
106 30.7 24.6 37.0

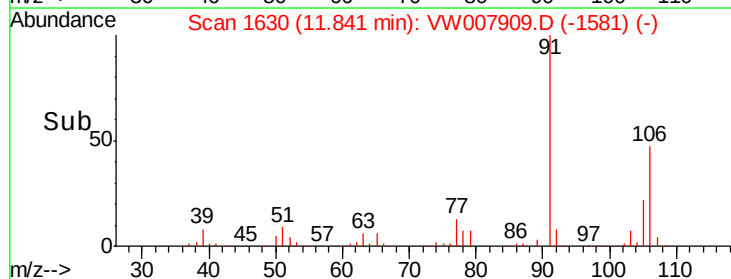
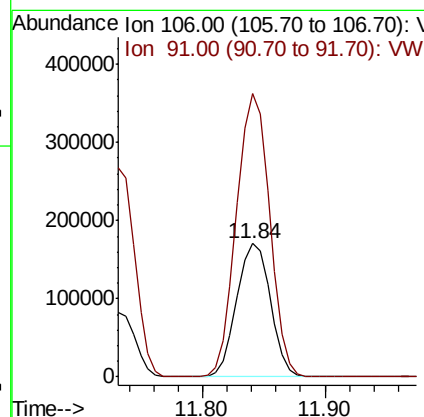
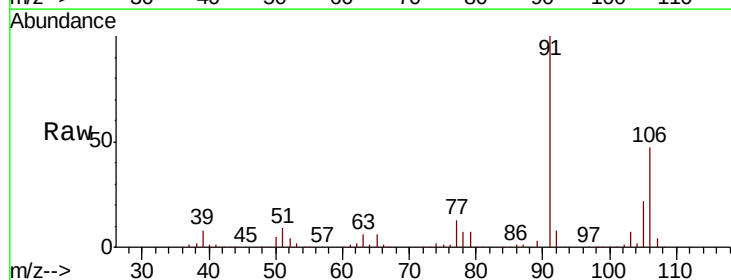
Manual Integrations
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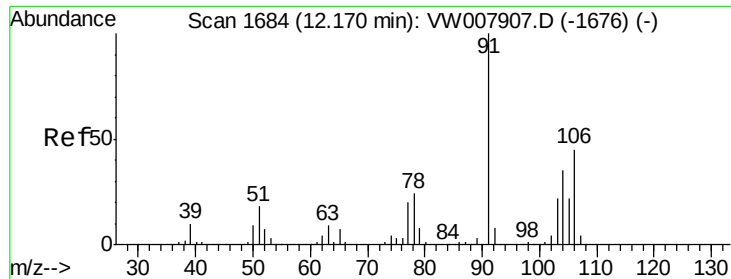
apatel
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#68
m/p-Xylenes
Concen: 190.268 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion: 106 Resp: 327245
Ion Ratio Lower Upper
106 100
91 208.9 166.6 249.8





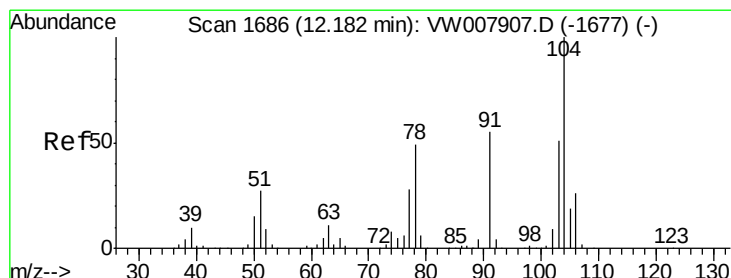
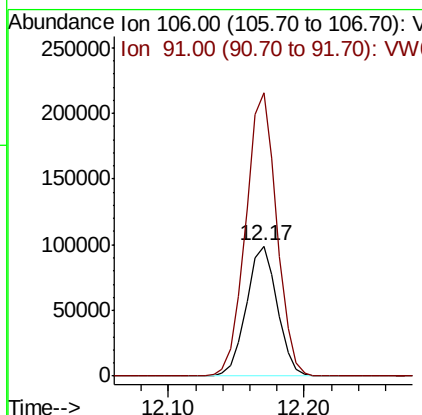
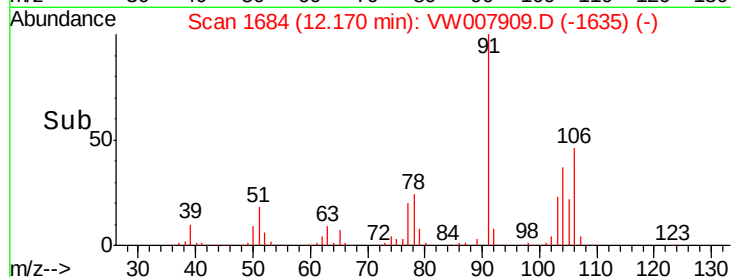
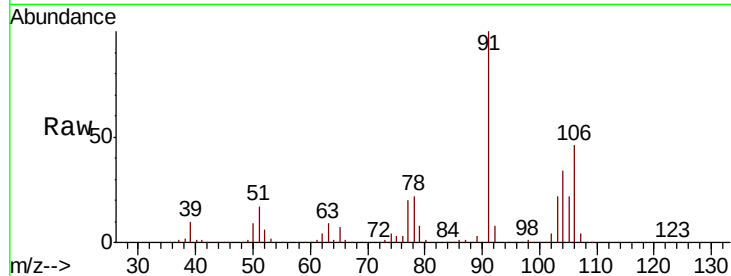
#69
o-Xylene
Concen: 97.506 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion:106 Resp: 157542
Ion Ratio Lower Upper
106 100
91 218.0 110.3 331.0

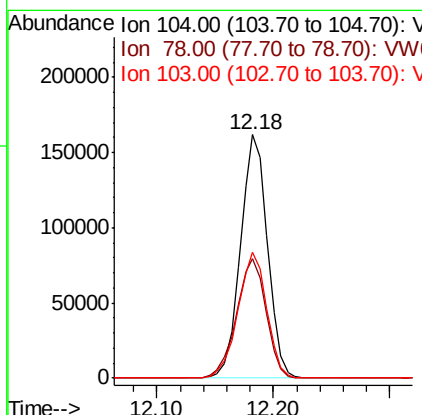
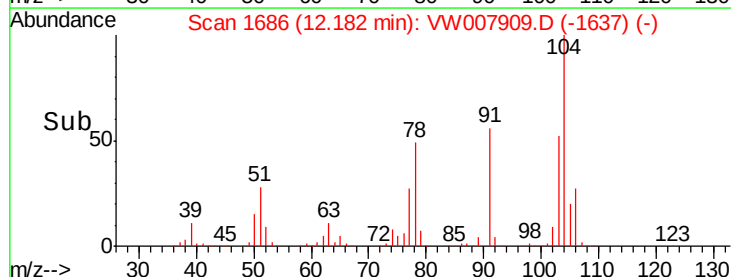
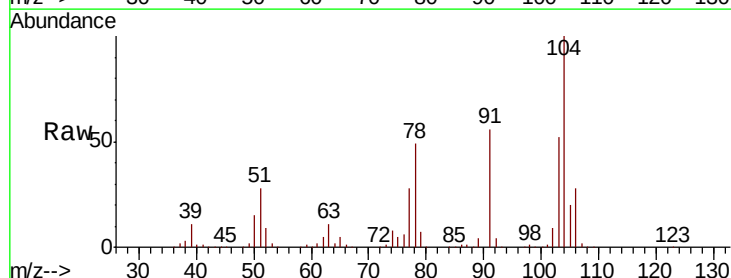
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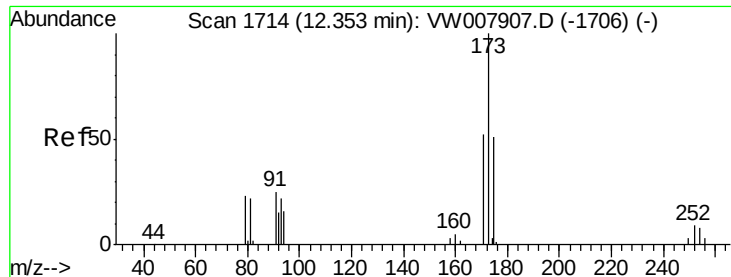
apatel
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#70
Styrene
Concen: 98.135 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion:104 Resp: 260852
Ion Ratio Lower Upper
104 100
78 53.7 43.1 64.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 92.011 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion:173 Resp: 43108

Ion Ratio Lower Upper

173 100

175 48.2 24.9 74.7

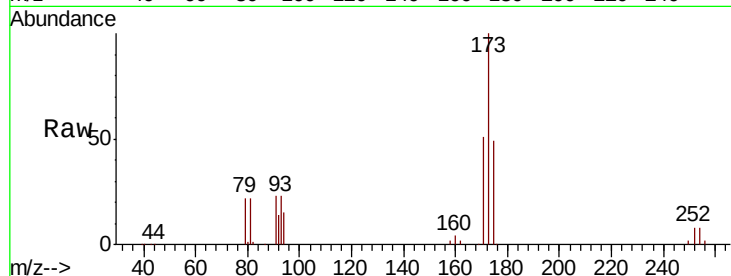
254 0.0 0.0 0.0

Manual Integrations

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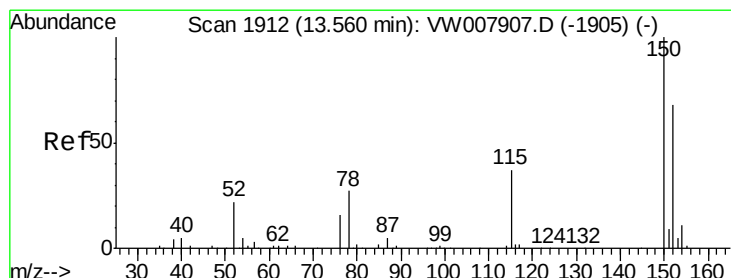
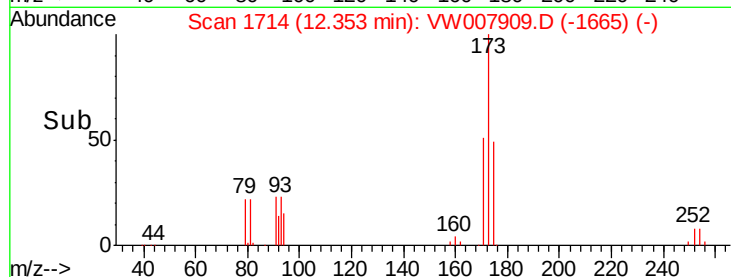
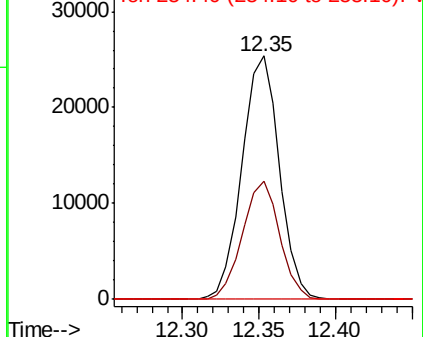
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

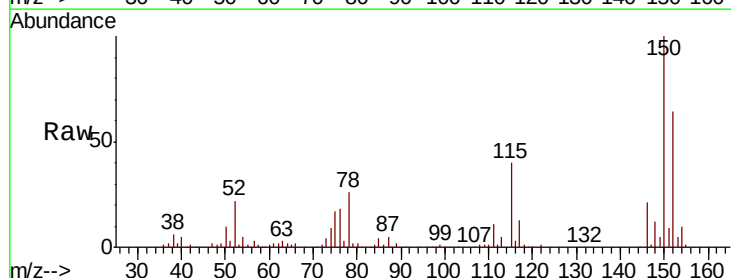
Tgt Ion:152 Resp: 57393

Ion Ratio Lower Upper

152 100

115 63.0 31.9 95.9

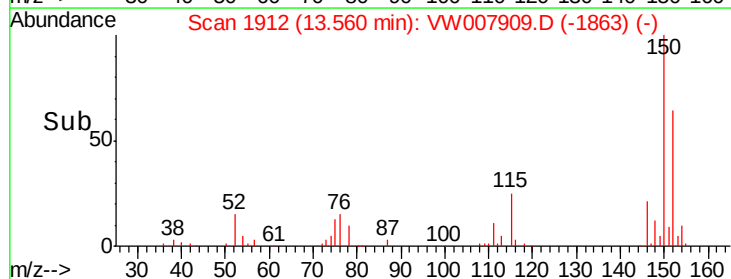
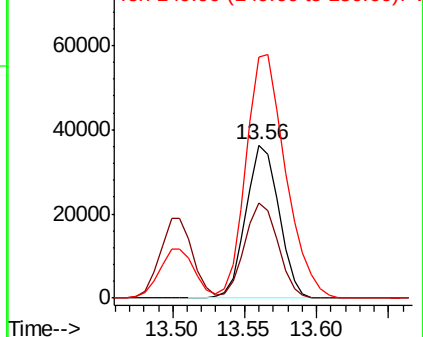
150 191.2 0.0 349.4

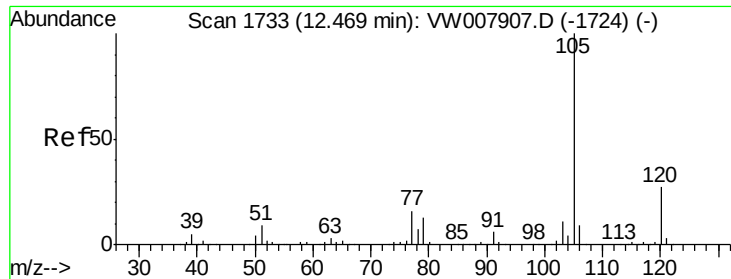


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.442 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

ClientSampleId :

VSTD1CC100

Tot Ion: 105 Resp: 439000

Ion Ratio Lower Upper

105 100

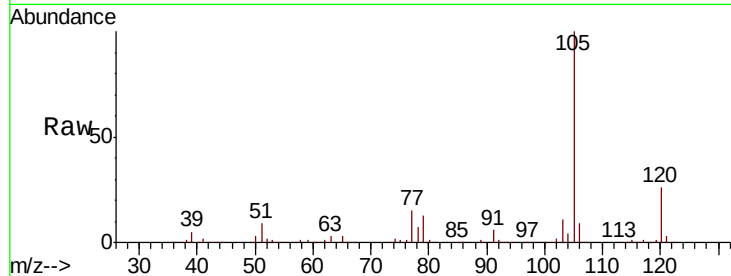
120 25.9 13.1 39.3

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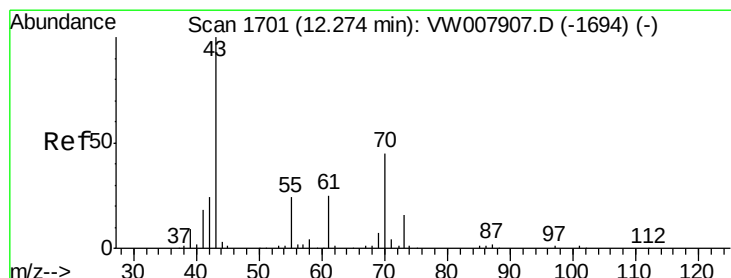
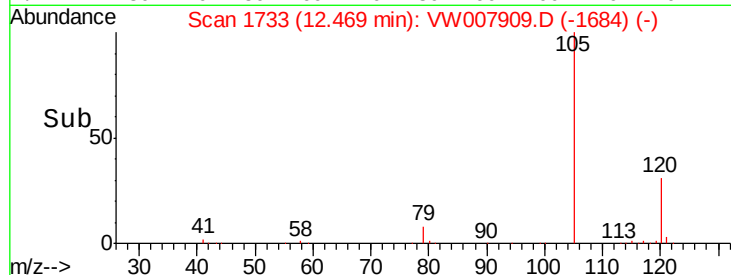
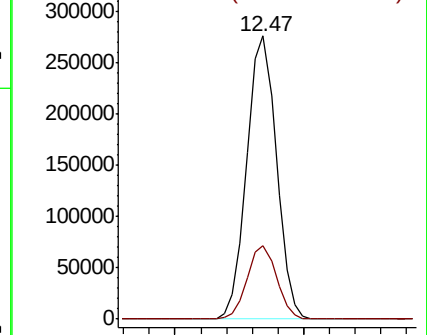
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 114.397 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Tgt Ion: 43 Resp: 89381

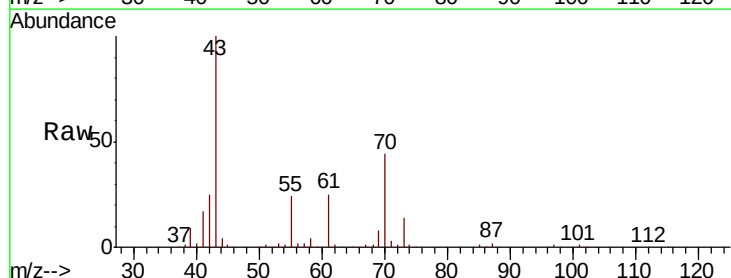
Ion Ratio Lower Upper

43 100

70 43.9 35.4 53.0

55 24.4 19.3 28.9

61 24.9 19.4 29.2

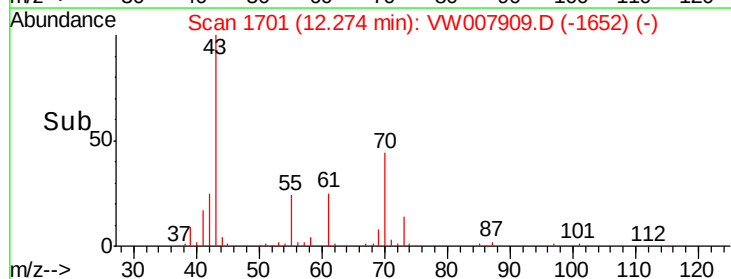
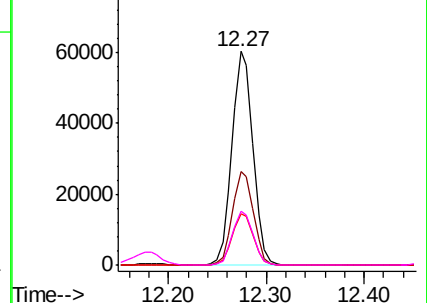


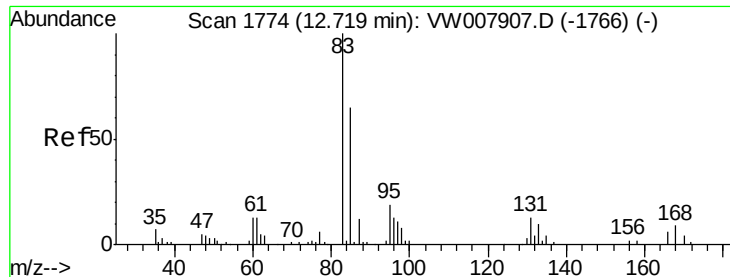
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





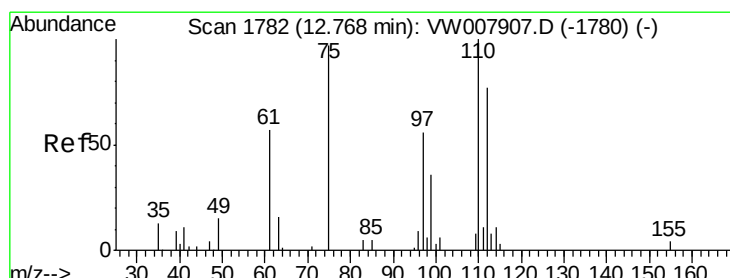
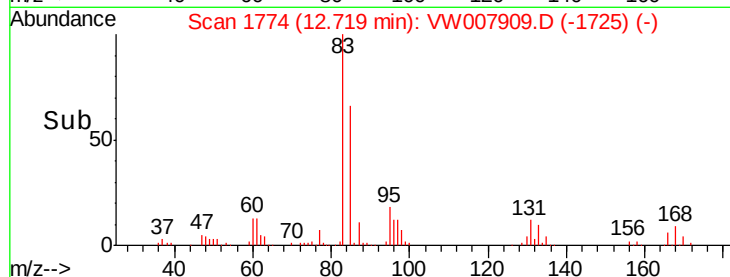
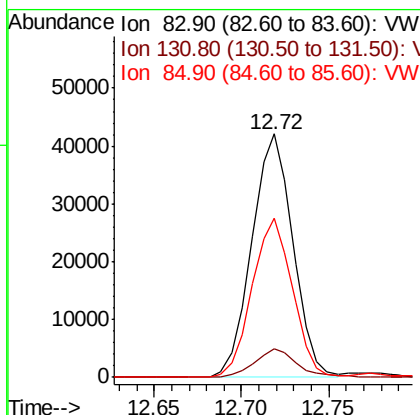
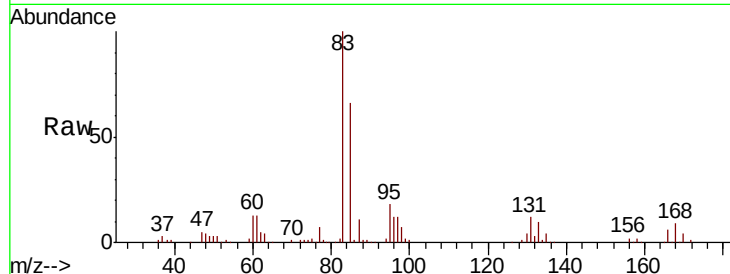
#75
 1,1,2,2-Tetrachloroethane
 Concen: 103.594 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	83	Resp	68798
Ion Ratio	100	Lower	Upper
83	100		
131	12.1	6.2	18.4
85	64.4	32.1	96.3

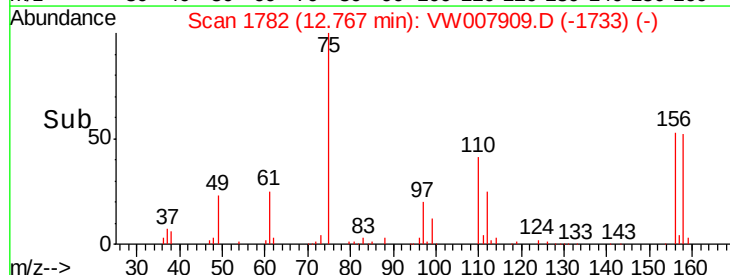
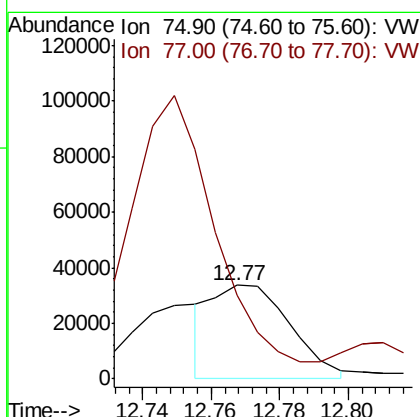
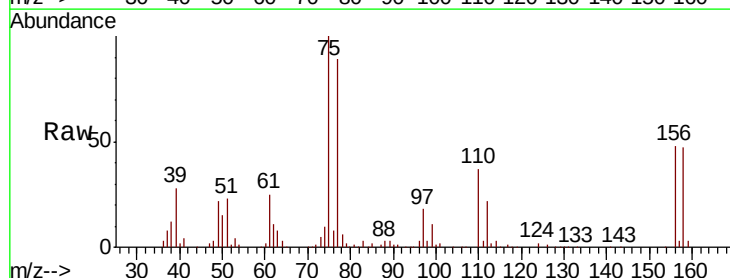
Manual Integrations
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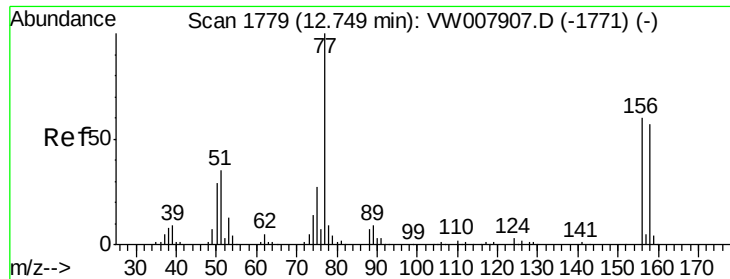
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#76
 1,2,3-Trichloropropane
 Concen: 117.813 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	75	Resp	53744
Ion Ratio	100	Lower	Upper
75	100		
77	342.1	165.9	497.7





#77

Bromobenzene

Concen: 98.033 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007909.D

Acq: 25 Dec 2018 01:22

Instrument :

MSVOA_W

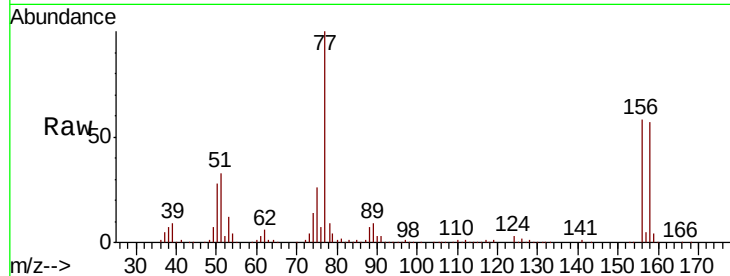
ClientSampleId :

VSTD1CC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.0	282.0
158	96.1	48.6	145.8

Manual Integrations
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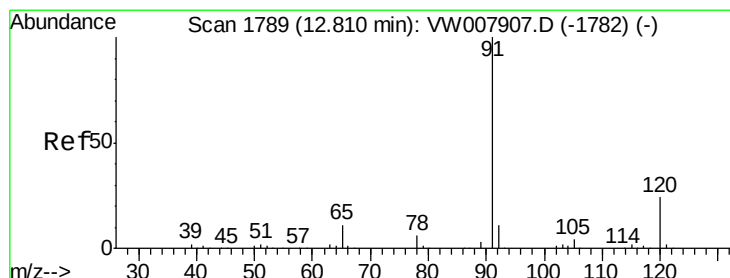
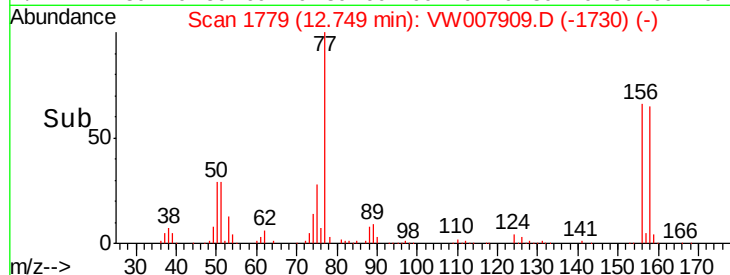
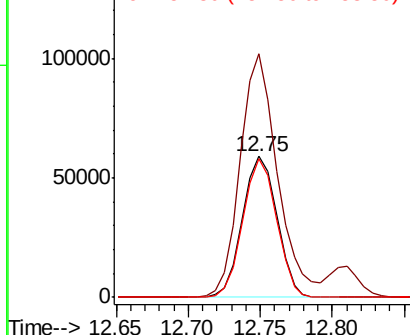
apatel
12/27/2018 11:18:02 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 99.404 ug/l

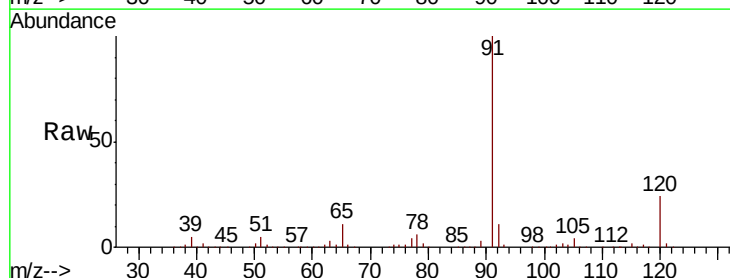
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007909.D

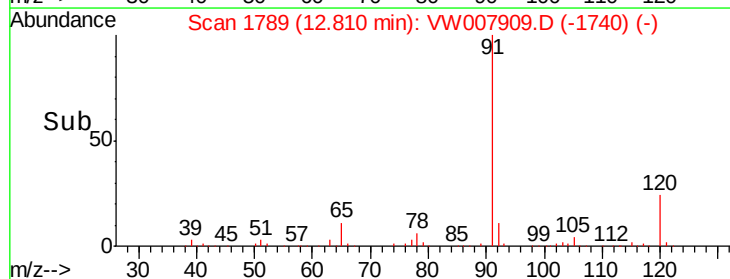
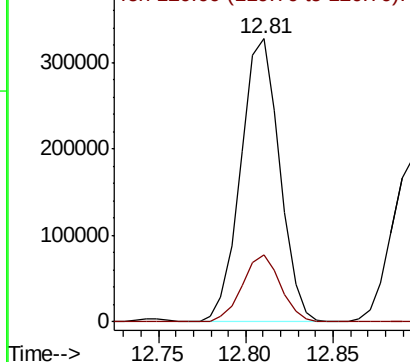
Acq: 25 Dec 2018 01:22

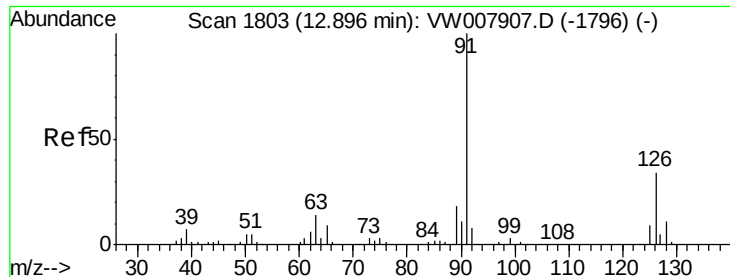
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.6	34.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





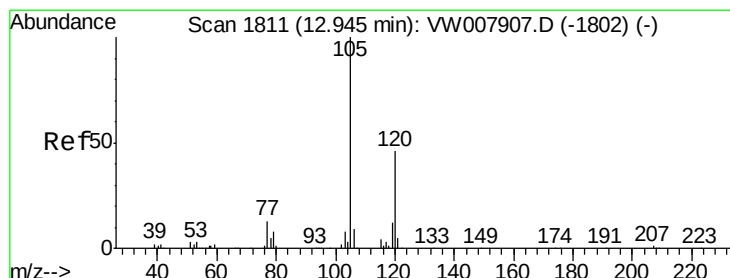
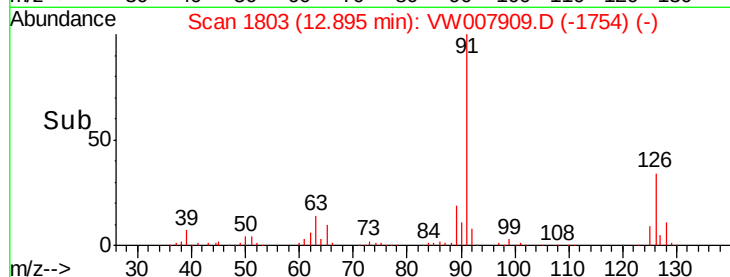
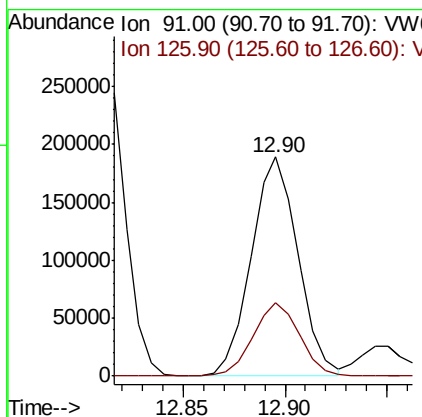
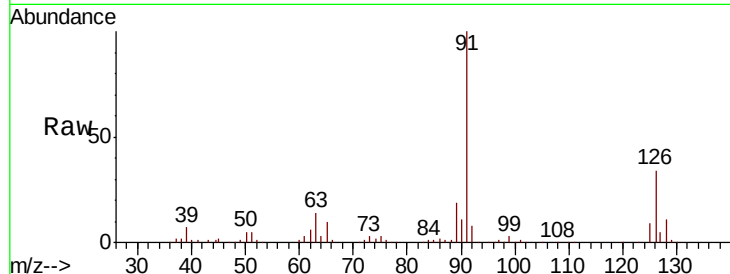
#79
 2-Chlorotoluene
 Concen: 100.916 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion: 91 Resp: 300799
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8

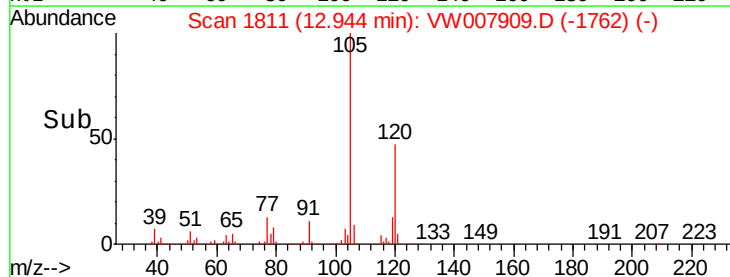
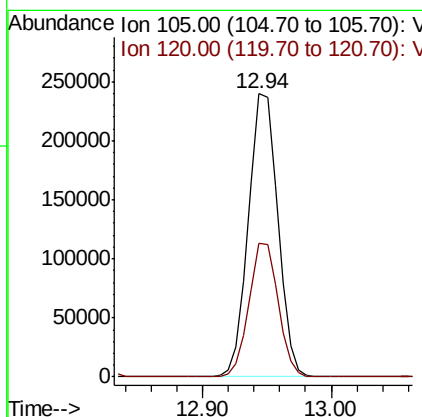
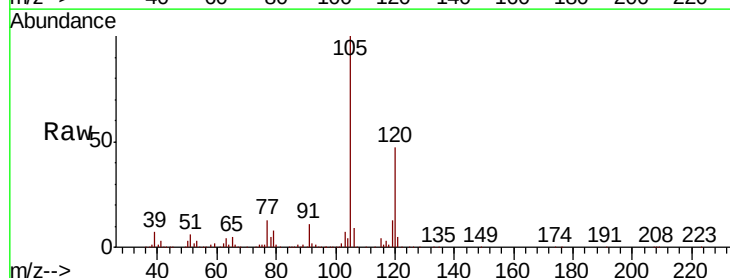
Manual Integrations
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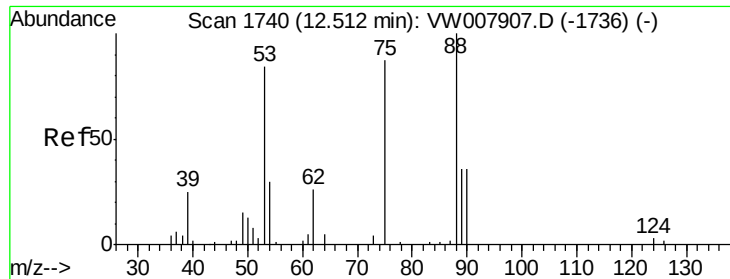
apatel
 12/27/2018 11:18:02 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 99.961 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion: 105 Resp: 376892
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.4 70.0





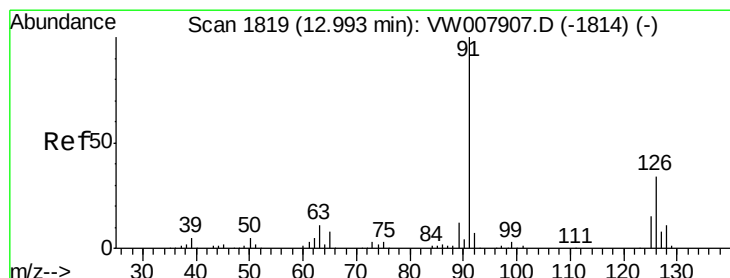
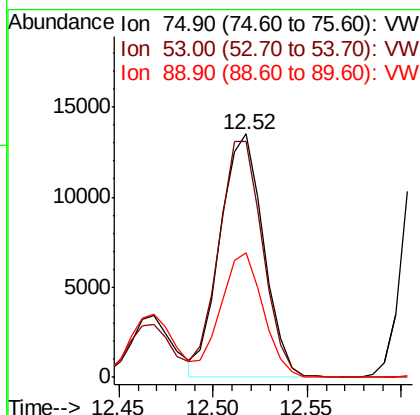
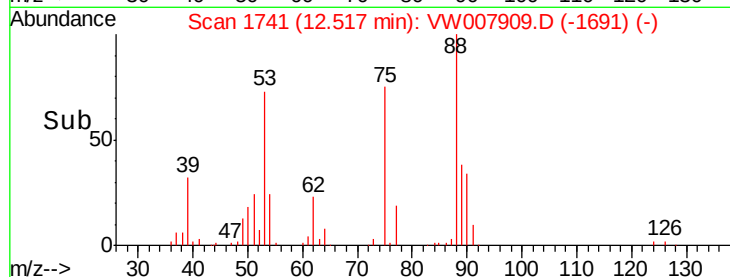
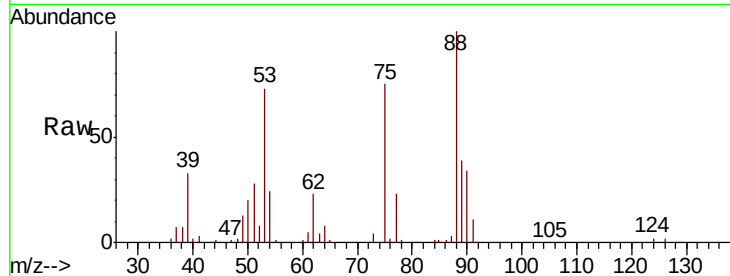
#81
trans-1,4-Dichloro-2-butene
Concen: 101.816 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	79.8	119.8
89	50.7	37.1	55.7

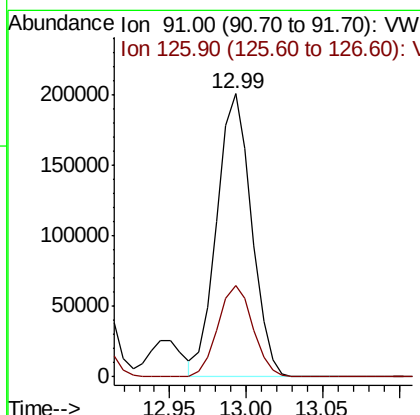
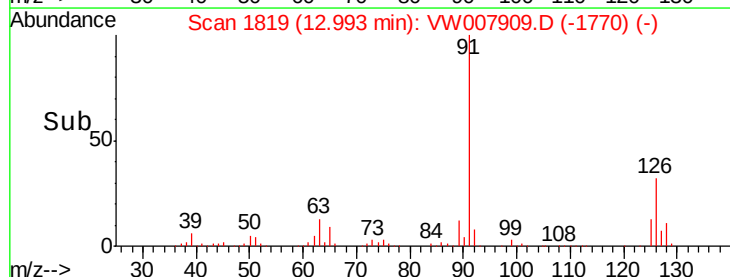
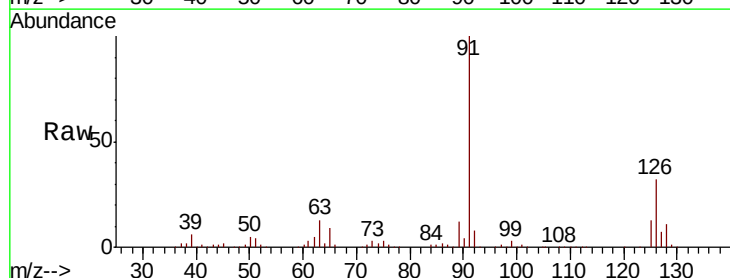
Manual Integrations
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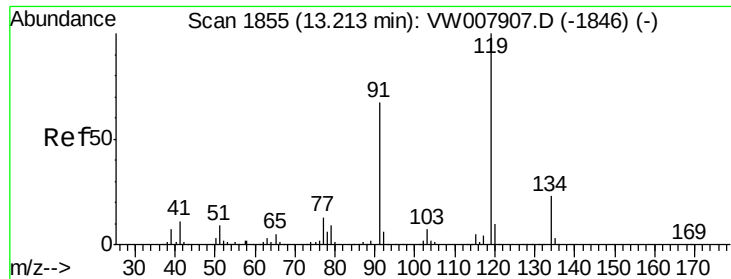
apatel
12/27/2018 11:18:02 AM



#82
4-Chlorotoluene
Concen: 100.298 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.5	49.5





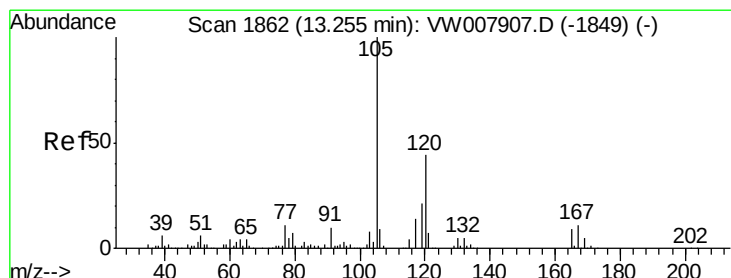
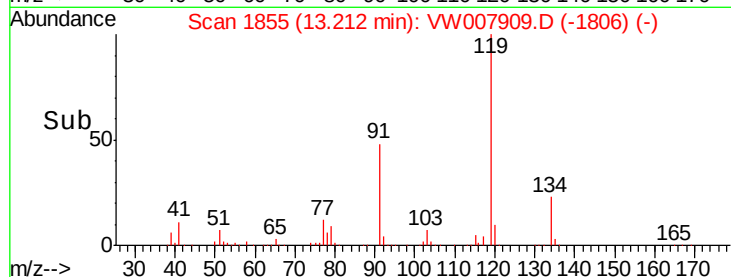
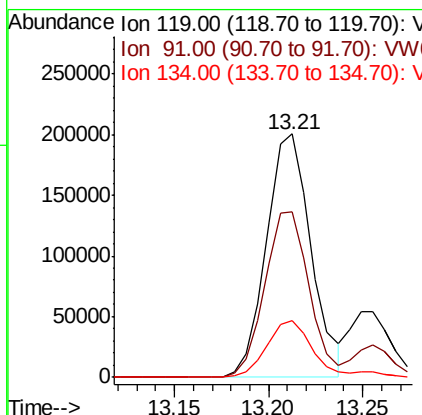
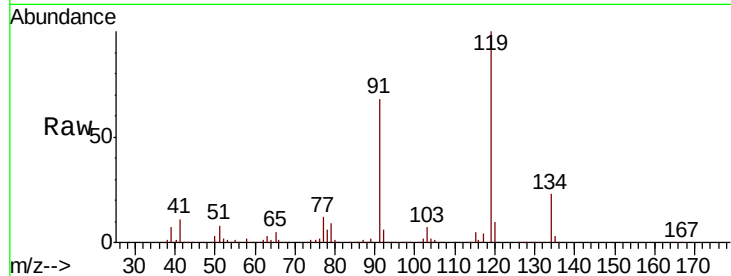
#83
tert-Butylbenzene
Concen: 99.905 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.8	101.3
134	24.8	11.7	35.1

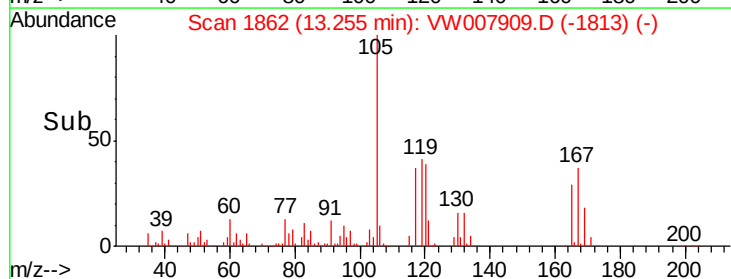
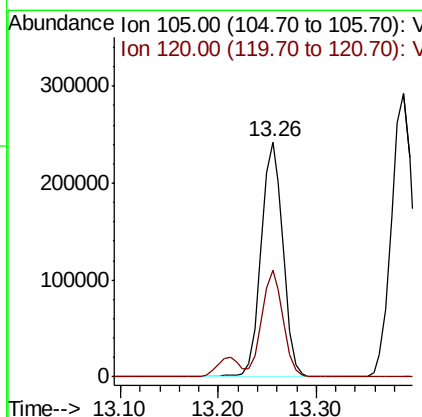
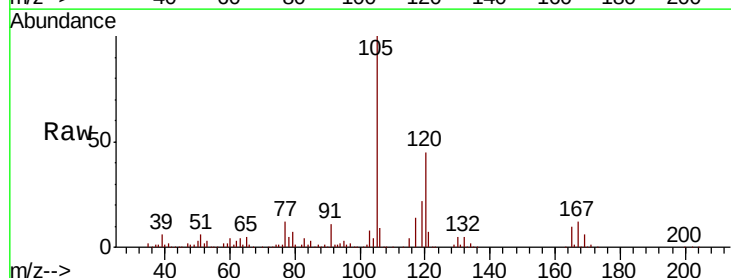
Manual Integrations
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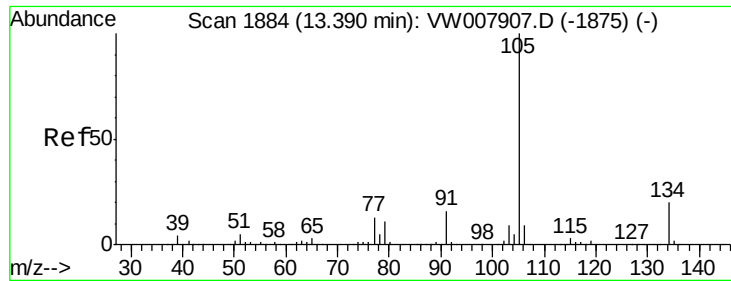
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 99.173 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





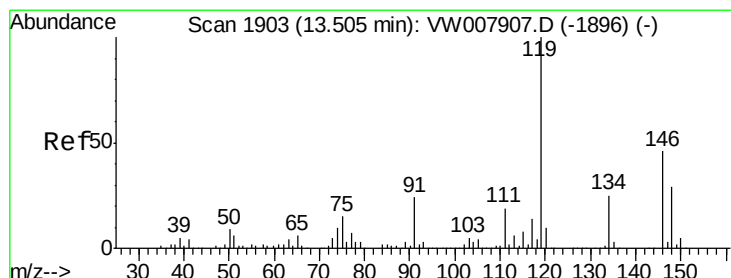
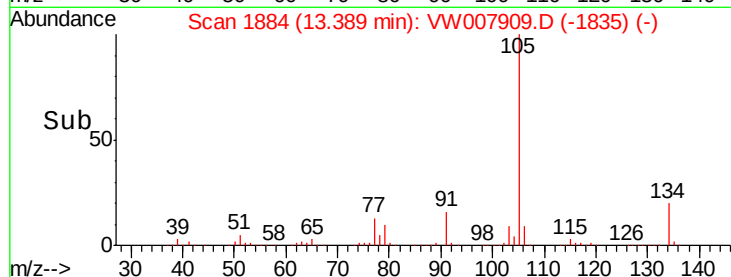
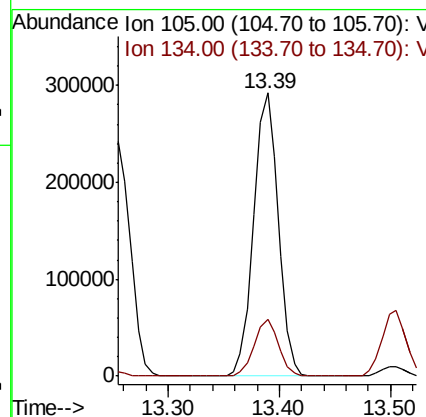
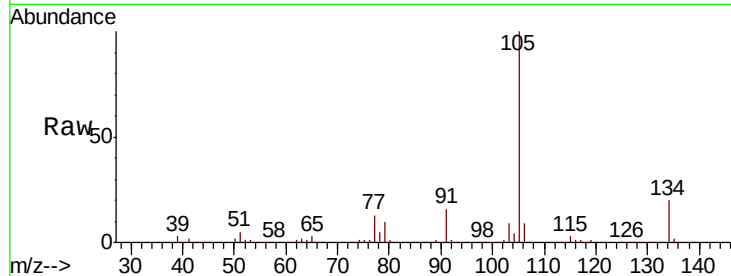
#85
 sec-Butylbenzene
 Concen: 98.905 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion:105 Resp: 450340
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8

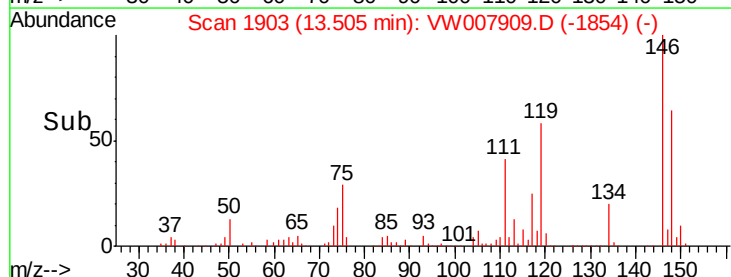
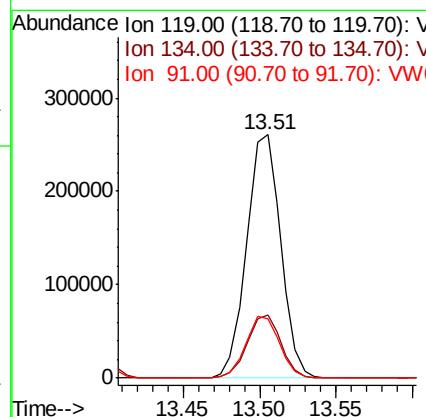
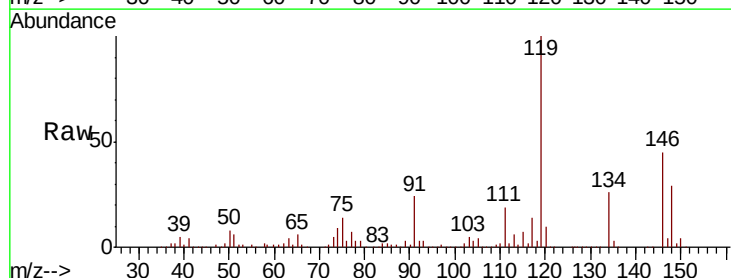
Manual Integrations
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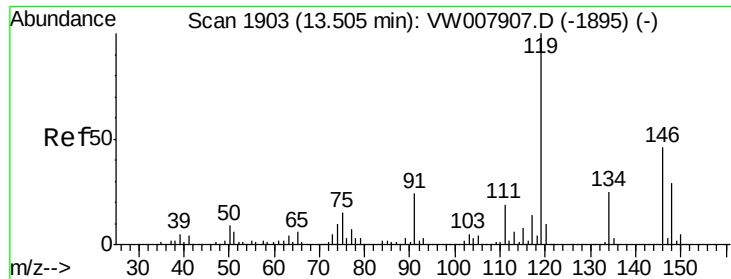
apatel
 12/27/2018 11:18:02 AM



#86
 p-Isopropyltoluene
 Concen: 97.606 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion:119 Resp: 403338
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 25.1 12.7 38.1





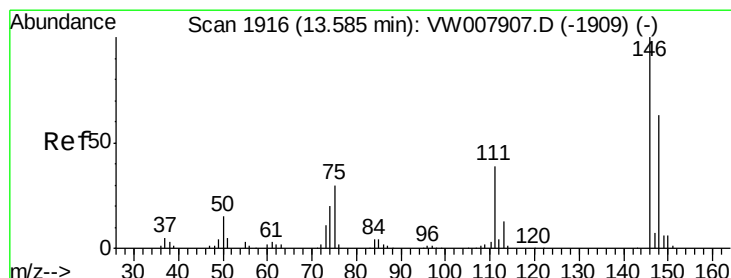
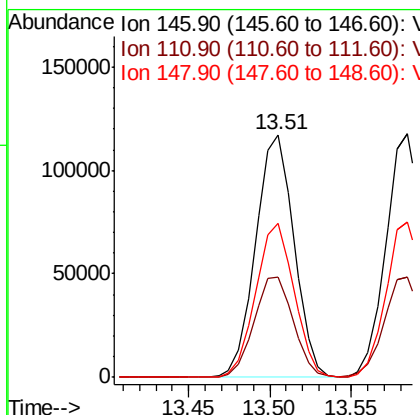
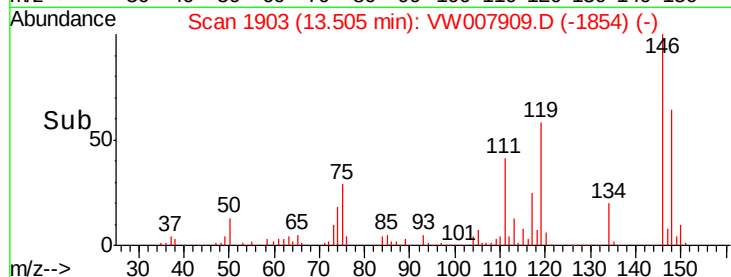
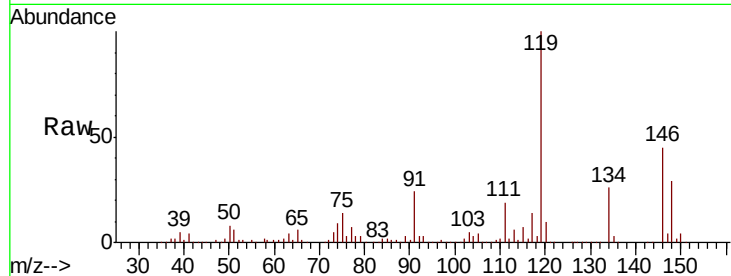
#87
 1,3-Dichlorobenzene
 Concen: 96.265 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.4	64.2
148	63.2	31.6	94.8

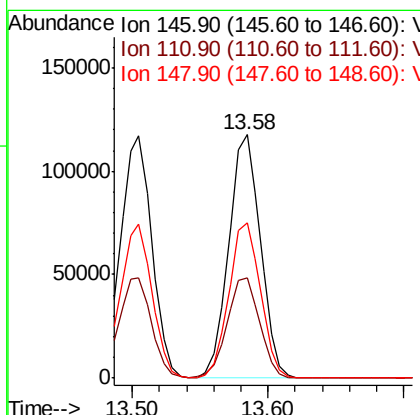
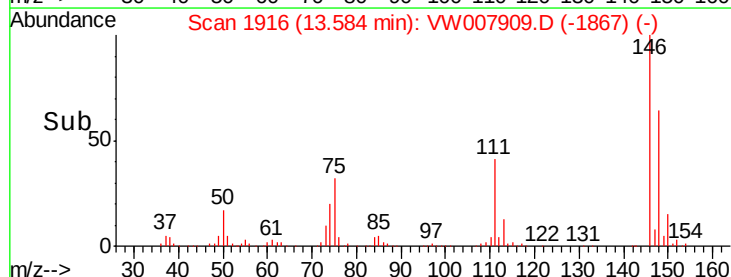
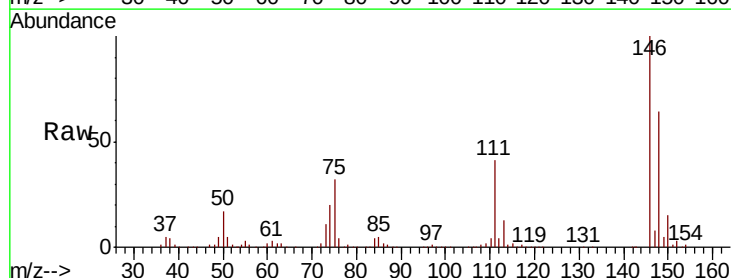
Manual Integrations
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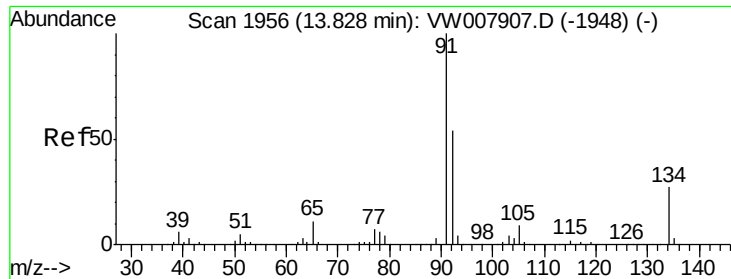
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 95.944 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.5
148	63.9	31.9	95.5





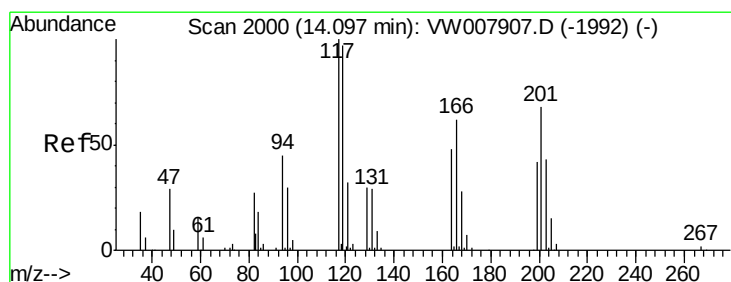
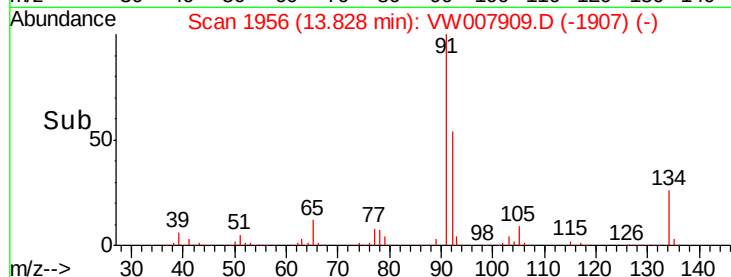
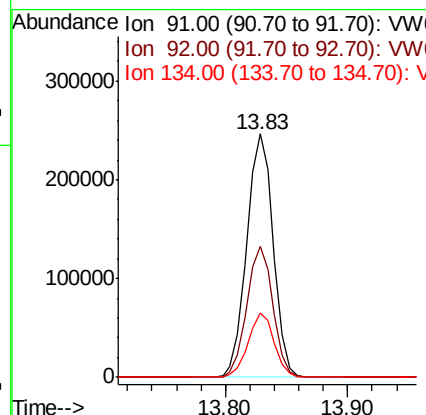
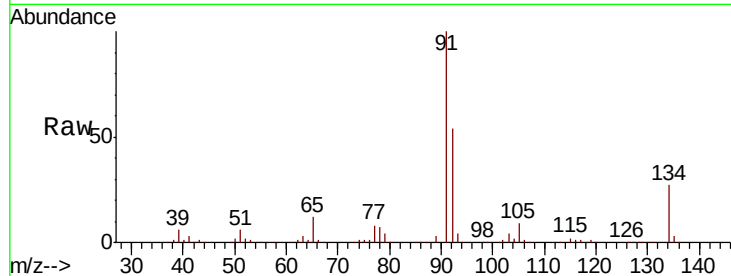
#89
n-Butylbenzene
Concen: 97.198 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	26.2	13.2	39.5

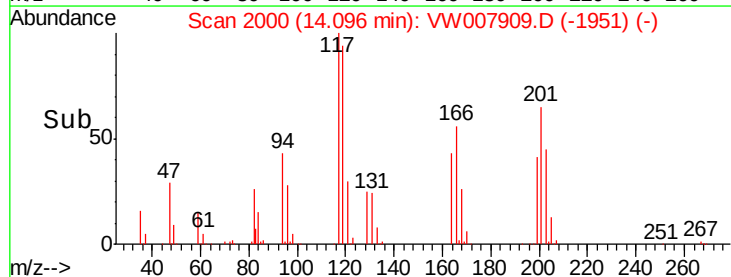
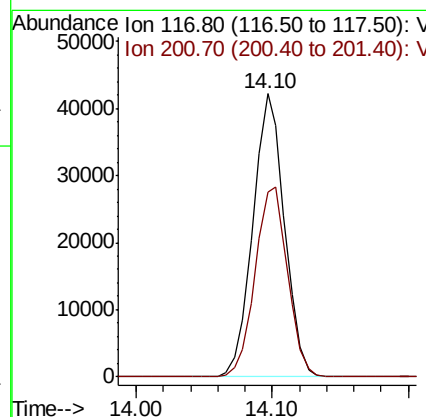
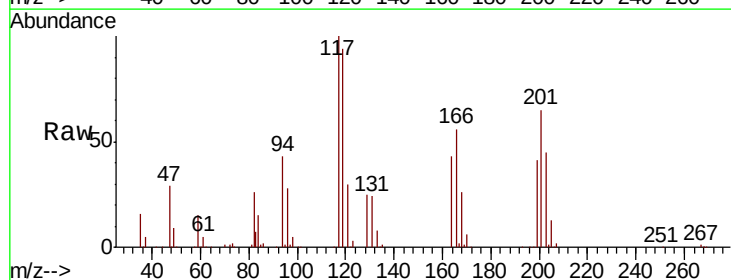
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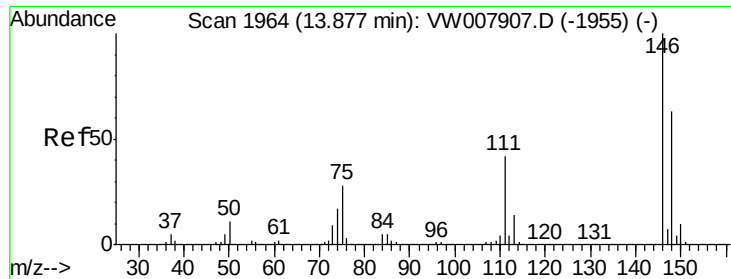
apatel
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#90
Hexachloroethane
Concen: 95.752 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.0	105.0





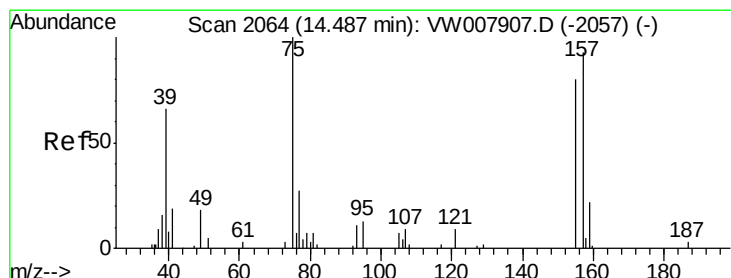
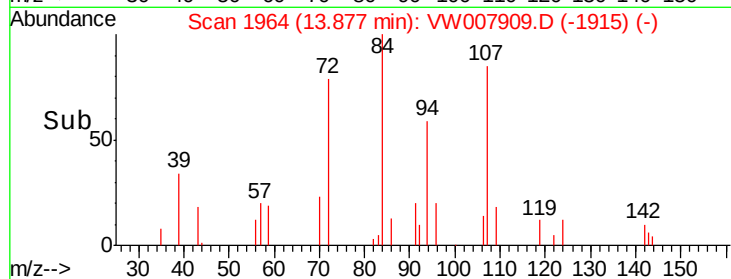
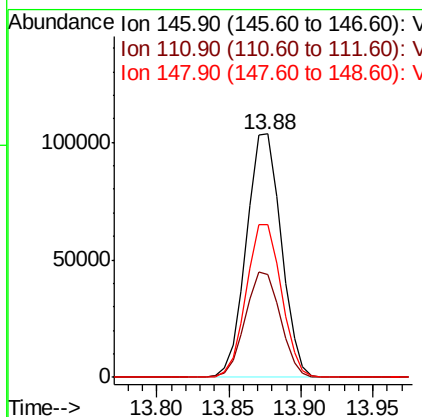
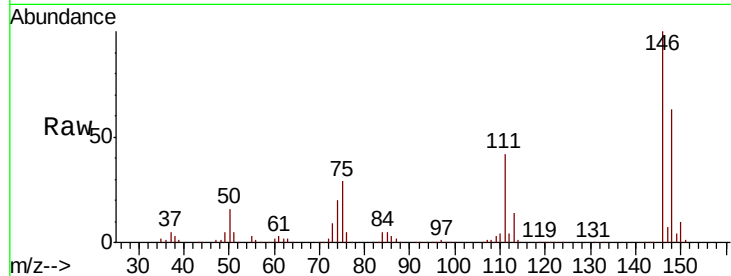
#91
 1,2-Dichlorobenzene
 Concen: 97.468 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD1CC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.0	66.0
148	63.2	31.6	95.0

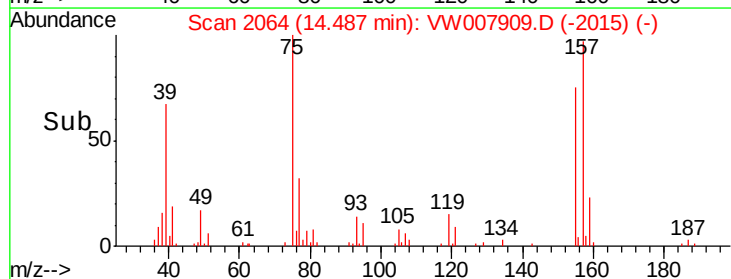
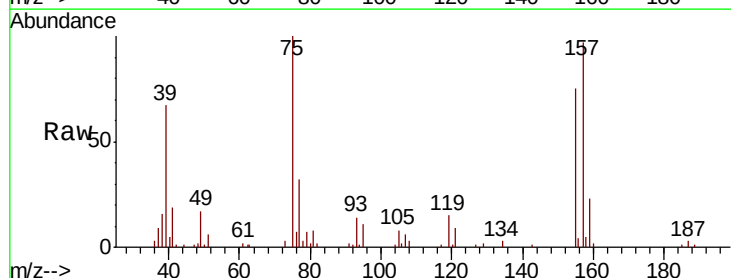
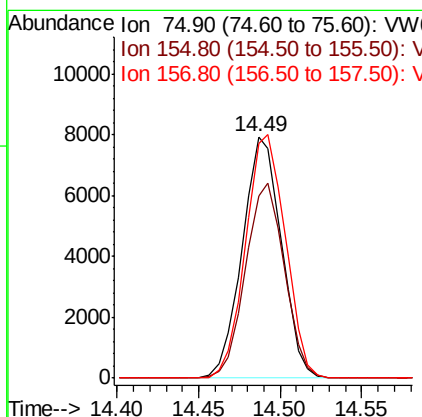
Manual Integrations
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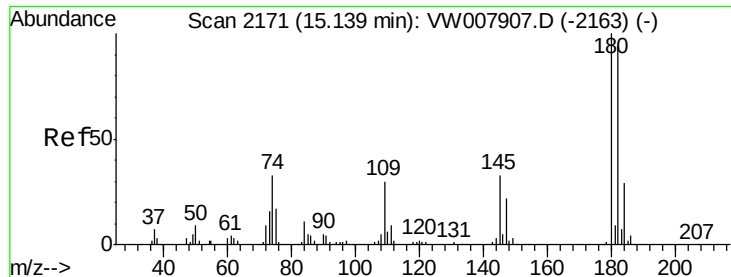
apatel
 12/27/2018 11:18:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.334 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007909.D
 Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	38.8	116.3
157	102.0	48.1	144.3





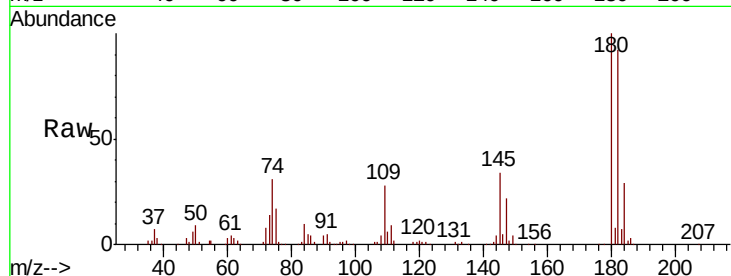
#93
1,2,4-Trichlorobenzene
Concen: 96.969 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	119125		
182	93.6	47.6	142.9	
145	34.8	17.2	51.6	

Manual Integrations
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apatel
12/27/2018 11:18:02 AM

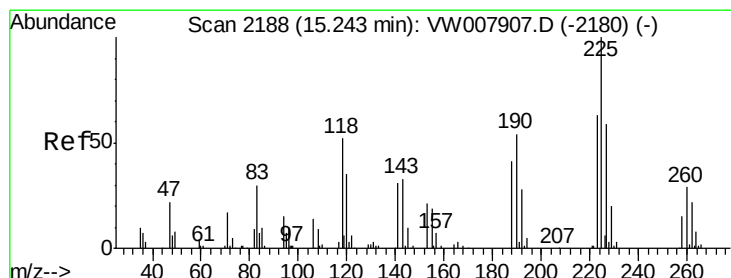
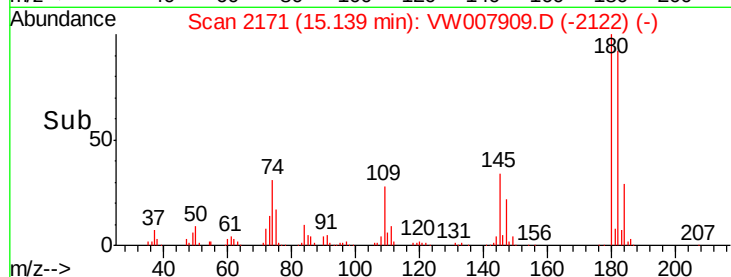
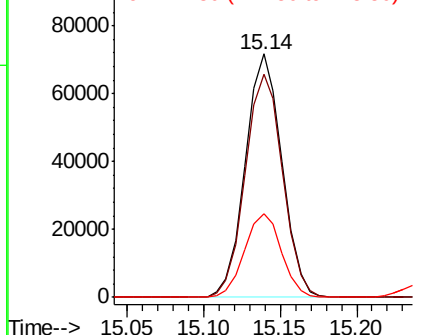


Abundance

Ion 179.80 (179.50 to 180.50): V

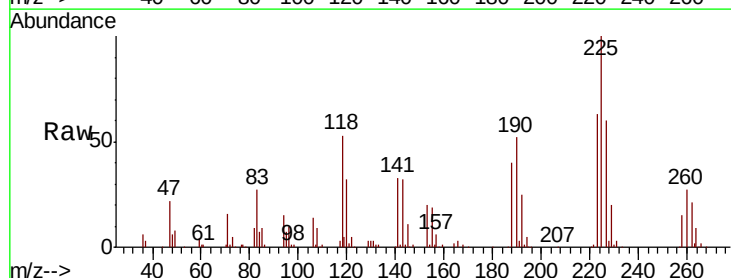
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 93.771 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61443		
223	63.4	31.4	94.0	
227	62.4	30.6	91.6	

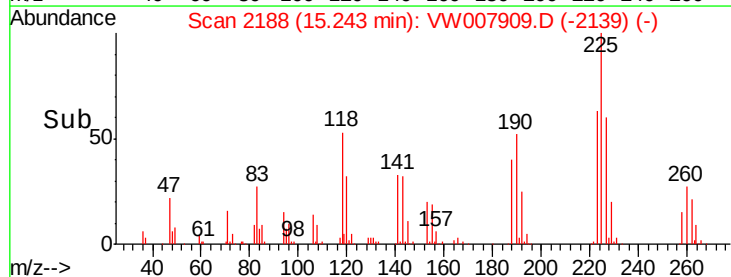
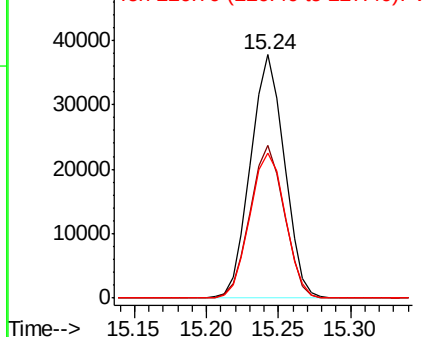


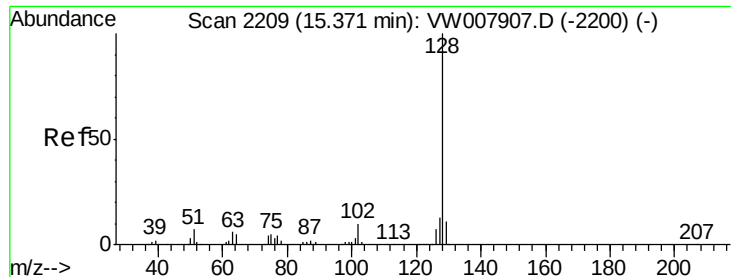
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





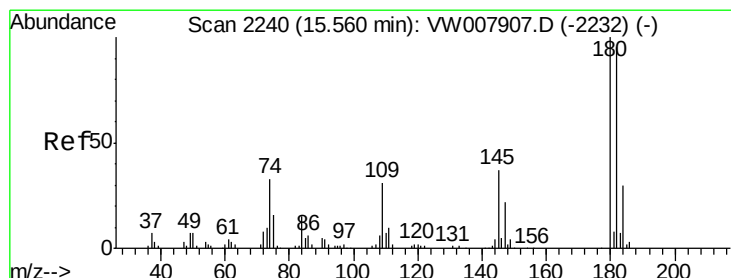
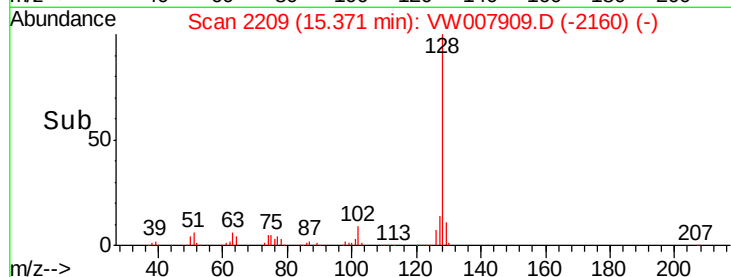
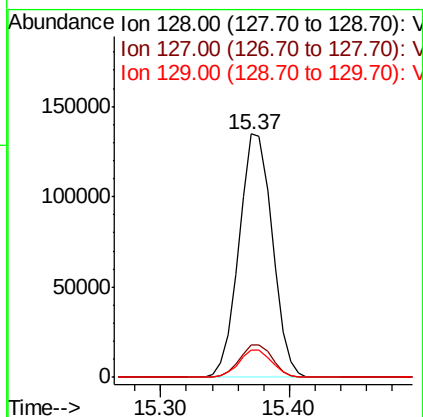
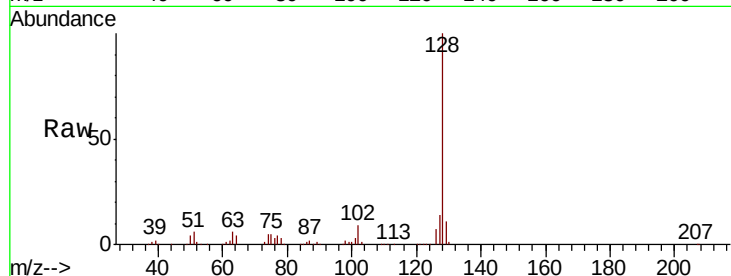
#95
Naphthalene
Concen: 105.126 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Instrument :
MSVOA_W
ClientSampleId :
VSTD1CC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.0	8.4	12.6

Manual Integrations
APPROVED

apatel
12/27/2018 11:18:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 98.781 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007909.D
Acq: 25 Dec 2018 01:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.6	139.8
145	36.2	18.1	54.1

